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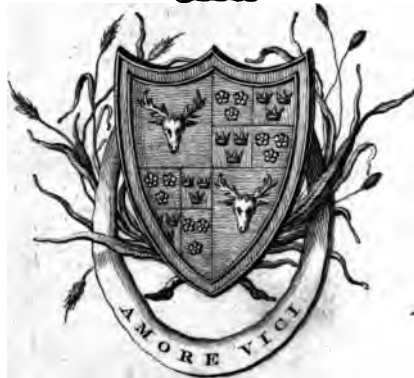
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Charles MacKenzie, Esq.
OF KILCOY

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S. J.

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22



Asiatic society of Bengal, Calcutta
ASIATIC RESEARCHES;

OR,

TRANSACTIONS

OF THE

SOCIETY

INSTITUTED IN BENGAL,

FOR INQUIRING INTO THE

**HISTORY AND ANTIQUITIES, THE ARTS
SCIENCES, AND LITERATURE**

OF

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VOLUME THE SEVENTH.

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CONTENTS

OF THE SEVENTH VOLUME.

	PAGE
DESIDERATA. - - - - -	v
I. On the Course of the GANGES, through BENGAL. By Major R. H. Colebrooke. - - -	1
II. On SINGHALA, or CEYLON, and the DOCTRINES of BHOODDHA, from the Books of the SING- HALAIS. By Captain Mahony. - - -	32
III. NARRATIVE of a ROUTE from CHUNARGHUR, to YERTNAGOODUM, in the ELLORE CIRCAR. By Captain J. T. Blunt. - - -	57
IV. An ACCOUNT of a new Species of DELPHINUS, an Inhabitant of the GANGES. By Doctor Rox- burgh. - - - - -	170
V. Translation of one of the Inscriptions on the Pillar at DEHLEE, called the Lat of FEEROZ SHAH. By Henry Colebrooke, Esq. with Introductory Remarks by Mr. Harington. - - -	175
VI. ACCOUNT of the KOOKIES or LUNCTAS. By John Macrae, Esq; Communicated by J. H. Harington, Esq. - - - - -	183
VII. On the SANSCRIT and PRA'CRIT LANGUAGES. By H. T. Colebrooke, Esq. - - -	199
VIII. On the Religious Ceremonies of the HINDUS, and of the BRA'MENS especially. By H. T. Colebrooke, Esq. Essay II. - - -	232
IX. On the Religious Ceremonies of the HINDUS, and of the BRA'MENS especially. By H. T. Colebrooke, Esq. Essay III. - - -	288
X. An ACCOUNT of a METHOD for extending a GEOGRAPHICAL SURVEY across the PENINSULA of INDIA. By Brigale Major Lambton. Com- municated by permission of the Right Honour- able the Governor of Fort St. George, in Coun- cil. - - - - -	312
XI. On the ORIGIN and PECULIAR TENETS of CER- TAIN MUHAMMEDAN SECTS. By H. T. Cole- brooke, Esq. - - - - -	326
XII.	

	PAGE
XII. A Summary ACCOUNT of the LIFE and WRITINGS of AVYAR, a Tamul Female Philosopher. By the Reverend Dr. John.	3-23
XIII. ACCOUNT of the ST. THOMÉ CHRISTIANS on the COAST of MALABAR. By F. Wredé, Esq.	362
XIV. ACCOUNT of an hereditary living DEITY, to whom Devotion is paid by the BRA'MENS of POONA and its neighbourhood. By Captain Edward Moor.	381
XV. On the RELIGION and MANNERS of the People of CEYLON. By Mr. Joinville.	397
XVI. A CHRONOLOGICAL TABLE of the MOGHUL EMPERORS, from UMEER TYMOOR, to ALUMGEER II. the Father of the present EMPEROR SHAH ALUM, being from A. H. 736 to 1173, or A. D. 1335 to 1760. By Lewis Ferdinand Smith, Esq.	444
XVII. DEMONSTRATION of the 12th Axiom of the first Book of EUCLID. By the Reverend Paul Limrick.	445
XVIII. DAGOBERTI CAROLI DE DALDORFF Scarabæorum (i. e. Inseclorum, quæ sub nomine Generis superioris Scarabæus militaverunt in FABRICII Entomologia Systematica em : et auct :) distributio in genera proxima, (id est naturalia) divisiones, subdivisionesque, instrumentis cibariis, laborum imaginumq; victu et œconomia, aliisque insecti perfecti partibus consultis. No. 1.	451
XIX. An ACCOUNT of the BAZEEGURS, a Sect commonly denominated NUTS. By Captain David Richardson.	451
XX. On the BURMHA GAME of CHESS; compared with the Indian, Chinese, and Persian GAME of the same denomination. By the late Captain Hiram Cox. Communicated in a Letter from him to J. H. Harington, Esq.	480
NOTE referred to in page 484; and Corrections of previous Papers in this Volume, by H. Colebrooke, Esq.	504
Members of the Asiatic Society, 1802.	505
APPENDIX.—Rules of the Asiatic Society.	509

DESIDERATA.

CONTINUED FROM THE SIXTH VOLUME OF
THE ASIATIC RESEARCHES.

I. AN accurate account of the Jews established on the coast of *Malabar*, or in any other part of *India*, of whatever colour or sect they may be.

Suggested by Professor BRUNS of Helmstadt.

II. Historical records, as far as can be obtained, of the Braminical aristocracy in *Malabar*, which is said to have preceded the reign or vice-royalty of the Perumals; the form of their political constitution, its commencement and duration; and the laws by which the inhabitants of *Malabar* were governed at that period.

III. An authentic account of the conquest of *Malabar* by the Raja of *Chaldesh*, and its history under the vice-royalty of the Perumals.

IV. Is the story of Shermaloo Permaloo, or Cheruma Perumal's conversion to the Moosulman faith, of his journey to *Arabia*, and of the division previously made by him of his territory, well founded or otherwise, and what was the exact period of those events?

V. Who were the chiefs among whom he divided his country, and do any genealogical records exist whereby the descent of the present rajas in *Malabar*, from those chiefs, may be traced?

VI.

XXIII. Whether the historical periods of the four ages and manwuntaras, mentioned in the Purans, did not depend on ancient astronomical systems, and if so, what were the duration and times of commencement of such periods?

XII. Accounts of any particular tribes or societies of the natives of India, whose peculiar manners or language may be worthy of attention, such as the *Uteets*, *Jogees*, *Ughorees*, *Charubroos*, *Kubeer-Punt hees*, *Nagas*, &c. &c.

XIII. A detail of the extraordinary process termed by the natives *musan jugana*, by which they pretend to procure a familiar spirit.

XIV. What is the present state of the *Moosulman* hierarchy in India, with respect to succession and other particulars; and how far are the rank and privileges of *Peer*, *Moorshid*, *Wulee*, *Ghous*, *Quotub*, *Ubdal*, &c. now real or imaginary?

XV. The same inquiry relative to the *Hindoos* and their *Purohit*, *Gooroo*, *Purm Gooroo*, *Ucharij*, &c.

XVI. Statistical accounts of any districts in India, from actual observation or authentic records.

XVII. An accurate detail of the present state of any of the various trades or manufactures carried on by the natives of India.

XVIII. What are the rules observed by *Moosulmans* relative to their female apartments; and who are the persons under the title of *Muhrum* admitted there?

XIX. An account of the mineral springs in Bengal.

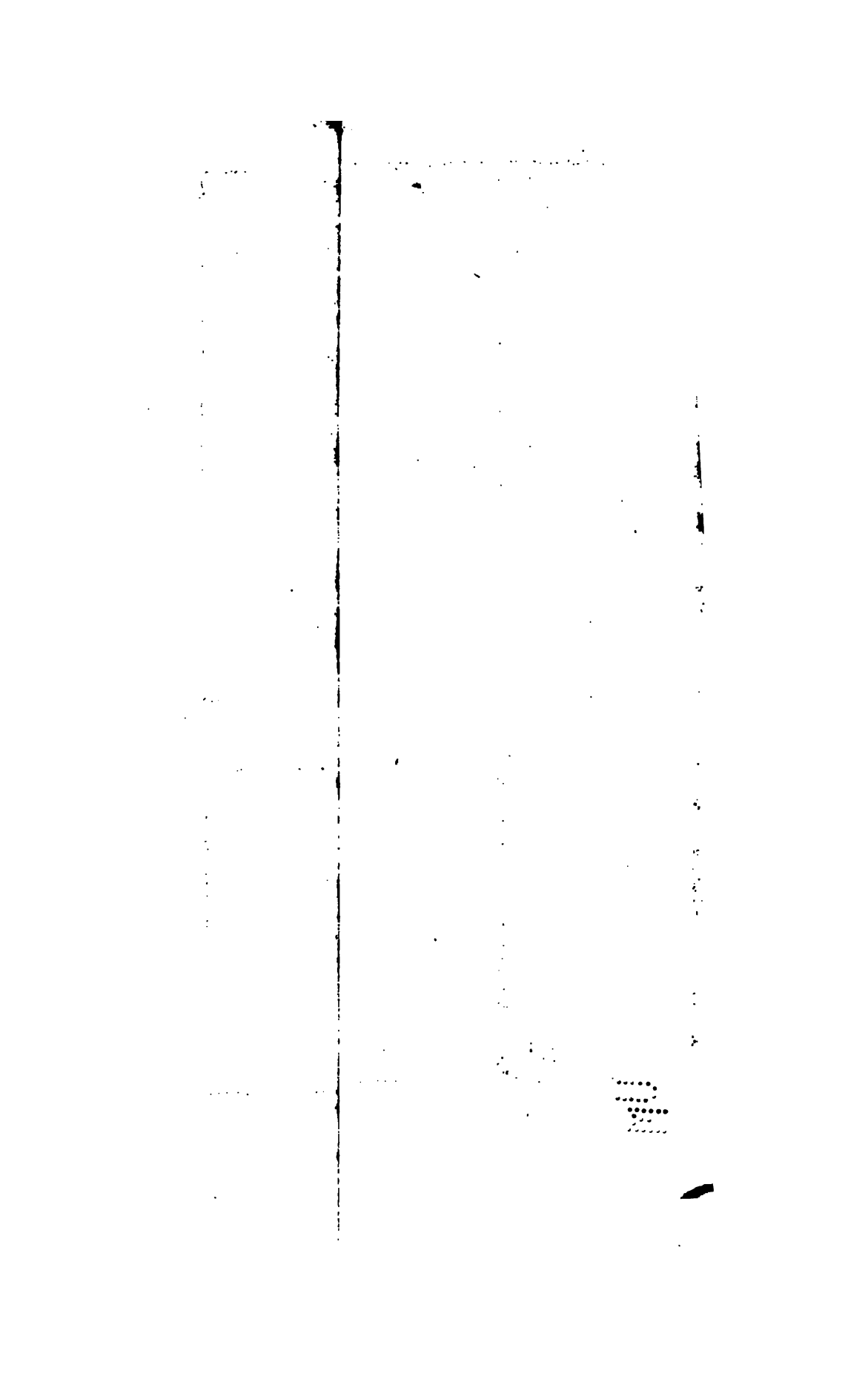
XX. Do any records exist of the expulsion of the *Boodjists* from *Hindoostan*, or what illustrations of that event can be drawn from collateral sources?

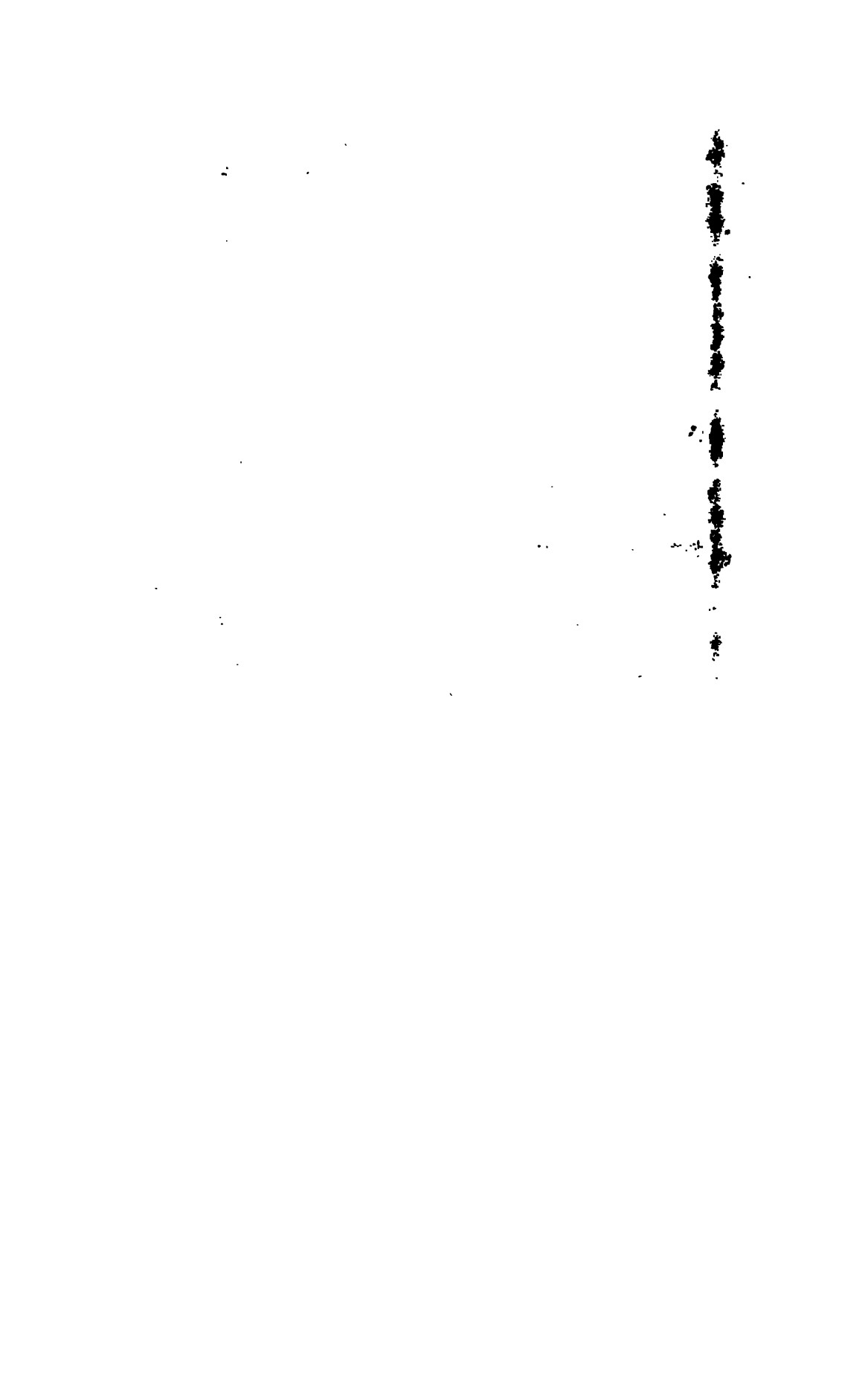
XXI. The Sanscrit names of as many of the natural productions of India as can be obtained.

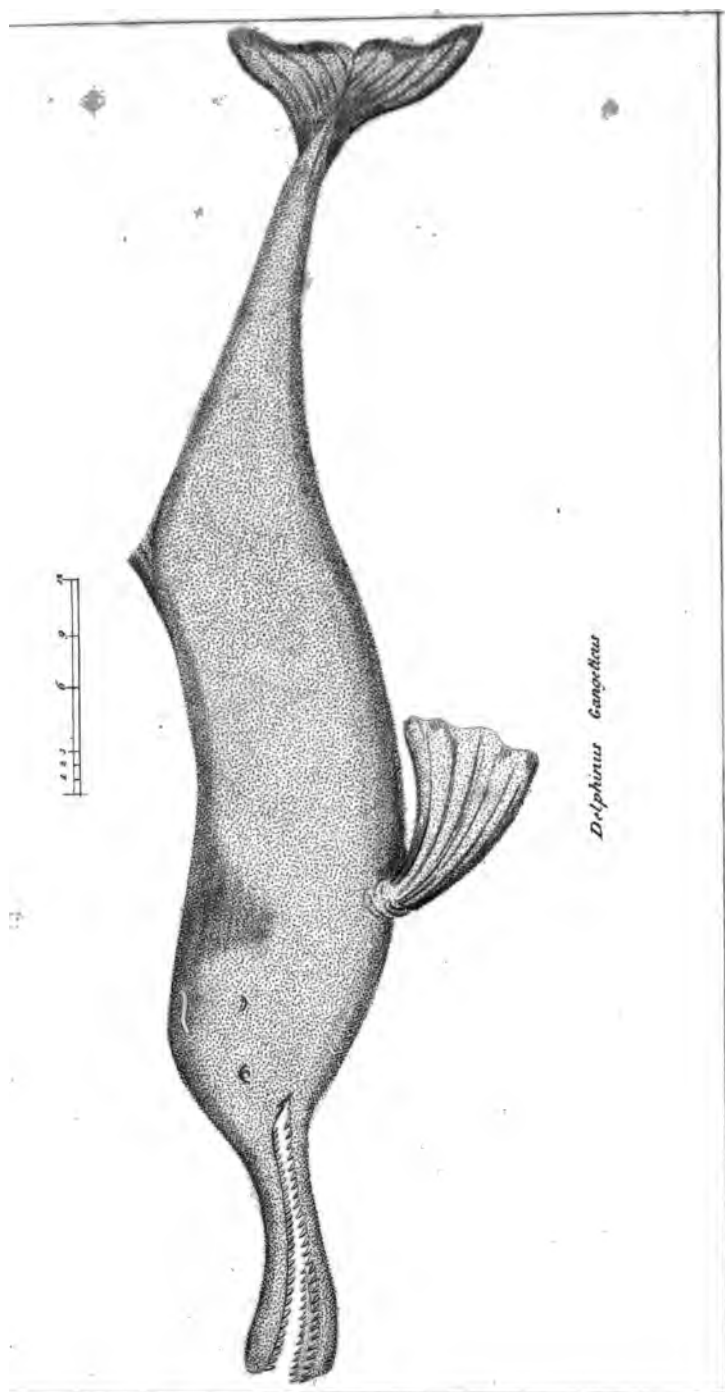
XXII. An account of Hindoo systems of astronomy, ancient or modern, with the names of their inventors, and a comparison of them with the systems that have obtained among the Chinese.

XXIII.

22







Delphinus Gangesius

TRANSACTIONS
OF THE
ASIATIC SOCIETY.

I.
ON THE
> *Course of the GANGES through* BENGAL.
BY MAJOR R. H. COLEBROOKE.

THE frequent alterations in the course of the Ganges, and of other rivers which flow through Bengal, have been a subject of wonder to the generality of Europeans residing in these provinces; although to the natives, who have long witnessed such changes, the most remarkable encroachments of the rivers, and deviations of their streams, are productive of little surprise.

It is chiefly during the periodical floods, or while the waters are draining off, that the greatest mischief is done; and if it be considered, that at the distance of two hundred miles from the Sea, there is a difference
VOL. VII. A of

of more than twenty-five feet* in the perpendicular height of the waters, at this season, while at the outlets of the rivers (excepting the effect of the tides) they preserve nearly the same level at all seasons, some idea may be formed of the increased velocity with which the water will run off, and of the havoc which it will make on the banks. Accordingly, it is not unusual to find, when the rainy season is over, large portions of the bank sunk into the channel; nay, even whole fields and plantations have been sometimes destroyed; and trees, which, with the growth of a century, had acquired strength to resist the most violent storms, have been suddenly undermined, and hurled into the stream.

THE encroachments, however, are as often carried on gradually, and that partly in the dry season; at which time the natives have leisure to remove their effects, and change the sites of their dwellings, if too near the steep and crumbling banks. I have seen whole villages thus deserted, the inhabitants of which had rebuilt their huts on safer spots inland, or had removed entirely to some neighbouring village or town.† Along the banks of the Ganges, where the depredations of the stream are greatest, the people are so accustomed to such removals, that they build their huts with such light materials only, as they can, upon emergency, carry off with ease; and a brick or mud wall is scarcely ever to be met with in such situations.

THE

* This subject has already employed the pen of Major Rennell: See his Account of the Ganges and Burrampooter Rivers, in the Philosophical Transactions for 1781; also republished in his Memoir of a Map of Hindostan; but it is presumed, nevertheless, that any additional remarks, or detail of facts, relating to so curious a subject, will not be thought superfluous nor uninteresting.

† The Topography, I might almost say the Geography, of a large portion of the country, will be liable to perpetual fluctuation from this cause: as the face of the country is not only altered by the rivers, but the villages are sometimes removed from one side to the other; some are completely destroyed, and new villages are continually rising up in other spots.

THE unsettled state of the rivers in Bengal may be attributed also, in a great measure, to the looseness of the soil through which they flow; but the destructive operation which Nature continually carries on in this way, is in some degree compensated by her bounty in forming new lands, either by alluvions on the opposite shore, or by islands, which rise up in the middle of the stream, and ultimately become connected with the main land, by the closing up of one of the channels. If this happens on the side where the encroachment was made, the whole force of the stream is diverted into the opposite channel, and the further progress of the river on that side is stopped. But if, on the contrary, the junction is formed on the shelving side, a much greater encroachment will take place, in consequence of the additional quantity of water which is thrown into the larger channel; and thus the river will continue to undermine and sweep away the bank, until a similar accident, or some other cause, obliges it to reassume a more direct course: but I have never known an instance where the inflection in the course of the Ganges has been so great as it may commonly be observed in the smaller rivers, nor do I think it possible that in a stream of such magnitude it should ever be so.

As every current of water will quickly deposit the particles of earth, or sand, which in its course it has detached from the sides, or raked up from the bottom of its bed; so we find considerable shoals, and sand banks, in most rivers; but particularly in such as flow through a loose and sandy soil: accordingly the Ganges gives birth to numerous islands, which are mostly of an extent proportioned to its vast bulk. Having had opportunities of observing these islands, in almost every stage of their growth, I have been astonished at the rapidity with which they have sometimes been thrown up, and at the magnitude to which they have ultimately swelled.

WHEN the inundation is gone off, and the river has subsided to its ordinary level in the dry season, considerable sand-banks are frequently found in places where, but the preceding year, the channel had been deep, and perfectly navigable. These gatherings of sand are sometimes so considerable, as to divert the principal stream into a new, and, in general, a more direct course; for it is only by the encroachments on the bank that inflections in the stream are produced; while the sudden alluvions, and frequent depositions of sand, have a tendency to fill up the channel into which it had been diverted, and to restore the straightness of its course. Such of the islands as are found, on their first appearance, to have any soil, are immediately cultivated; and water melons, cucumbers, and *surfoo*, or mustard, become the produce of the first year. It is not uncommon even to see rice growing in those parts where a quantity of mud has been deposited near the water's edge.

SOME of these islands, before they have acquired a degree of stability which might enable them to resist the force of the stream, are entirely swept away; but whensoever, by the repeated additions of soil, they appear to be sufficiently firm, the natives then no longer hesitate to take possession of them, and the new lands become an immediate subject of altercation and dispute. The new settlers bring over their families, cattle, and effects; and having selected the highest spots for the sites of their villages, they erect their dwellings with as much confidence as they would do on the main land; for, although fixed upon a sandy foundation, the stratum of soil which is uppermost, being interwoven with the roots of grass, and of other plants, and hardened by the sun, becomes at length sufficiently firm to resist the future attacks of the river. Thus strengthened and matured, these islands will continue a number of years, and may last during

during the lives of most of the new possessors; as they are, in general, liable to destruction, only by the same gradual process of undermining, and encroachment, to which the banks of the river are subject.

WHEN an island becomes so large, that it is not found practicable to cultivate the whole, which happens in those parts of the country where the people are either less numerous, or have no immediate inducement to take possession of the new land, it is soon overrun with reeds, long grass, *jow*,* and *baubul*,† which form extensive, and almost impenetrable, thickets, affording shelter to tigers, buffaloes, deer, and other wild animals. The rest of the lands, in general, produce good pasturage; and many thousands of oxen are bred and nourished upon them. The tigers commit frequent depredations among the herds, but are seldom known to carry off any of the people. The fertility of the soil increasing with every subsequent inundation, to which the burning of the reeds and grass, in the dry season, greatly contributes, induces the inhabitants, at length, to extend the limits of their cultivation, and to settle more permanently upon them.

THE islands of the Ganges are distinguishable from the main land, by their having few or no trees, even long after a communication has been formed by the closing up of one of the channels, which, indeed, generally happens in a few years. The island called *Dera Khowaspour*, which is one of the largest, has continued longer in an insulated state than any other I know; which may be attributed to its peculiar situation, immediately below the confluence of the Ganges and *Coofa* rivers; the channel of the former running chiefly on the south side; while the stream that issues from the latter, has a tendency to keep open the channel on the north side. It is probable that this

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island

* *Tamarix Indica*.

† *Mimosa Nilotica*.

island owes its existence to both rivers ; but, as is evident from its appearance, has been thrown up in the manner above described, and was not originally a part of the main land. It is $9\frac{1}{2}$ miles in length, and $2\frac{1}{2}$ across in the broadest part, and contains about 20 square miles of land, mostly cultivated, and highly productive, with several villages. I was informed, that in the highest floods, the people are obliged to erect temporary huts, on pillars of wood, or stages ; but that it is seldom they are reduced to that necessity. To the S. W. of Dera Khowaspour is another island of less dimensions, and entirely overrun with jow. The passage between is navigable, as a great part of the waters of the Coofa flow through it.

THE appearance of some of these islands is singularly rural and pleasing, if not altogether romantic ; for, although an extensive flat can hardly come under the latter denomination, yet it may partake of a degree of wildness, that will please the lovers of nature ; at the same time, that the peaceful appearance of the flocks, fields, and habitations, will give delight to the philanthropist. If we present to our imaginations a wide extended plain, with pens for cattle, and a few humble huts, whose tops are crowned with gourds, and the intervening space highly cultivated ; suppose wheat, barley, and pulse of all sorts, to be growing in abundance, the flowers of the latter presenting to the eye a variety of rich tints ; let us conceive numerous herds of cattle to be grazing, and a few scattered villages at a distance ; suppose the horizon to bound the view, with no other remote objects than a long line of grass *jungle*, and a few trees, which, from their great distance on the main land, are barely discernible ; and we shall have a tolerable picture of an island in the Ganges. If we fancy, at the same time, that the lark is soaring, the air cool, and the sky perfectly unclouded, we shall have a still more lively idea of the state of these islands during at least six months of the year.

THE

THE banks of the Ganges exhibit a variety of appearances, according to the nature of the soil, or the degree of force with which the current strikes against them. In those parts where the velocity of the stream is greatest, and the soil extremely loose, they become as perpendicular as a wall, and crumble in so frequently, that it is dangerous to approach them. The bank is oftentimes excavated into a number of deep bays, with projecting points between them, round which the current rushes with great rapidity; but is considerably slackened, and has even a retrograde motion, in the interior part of the gulph.* Some of these afford convenient landing places, or Gauts, where the natives perform their ablutions, water their cattle, and fasten their boats to the shore. In other parts, where the current is slack, the bank is generally found sloping and firm. In the higher parts of the country, where a *conker* † soil prevails, the banks of the Ganges are not so liable to be undermined, and are even sufficiently firm to resist the utmost efforts of the stream; but in Bengal there are few places where a town, or village, can be established on the Ganges, with any certainty of long retaining the advantage of such a situation, as it will be liable either to be destroyed by the river, or, on the contrary, to be totally abandoned by it. There are some spots, however, which are not subject to the former inconvenience, and here the sites of some principal places, and manufacturing towns, have been established; as Godagary, Comerpour, Beauleah, and Surdah, built upon a ridge of high ground running along the N. E. side of the Ganges, and which appears to be the extreme boundary of the river on that side. The soil of

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this

* These little bays or gulphs are very common in all the rivers of Bengal, and are owing, probably, to the unequal encroachment of the stream on the banks in those places where the soil has the least tenacity. They naturally produce a whirling motion in the current; and may possibly, in some instances, be the means of checking the further encroachment of the river; but I have never known an instance of their striking out into new branches, as Major Rennell has supposed.

† A hard reddish calcareous earth.

this ridge is a stiff clay, intermixed with conker. It is probable, indeed, that the high ground on which the ancient city of Gour formerly stood, is a continuation of the same ridge, interrupted only by the course of the Mahanuddee River.

ALONG the S. W. bank of the Ganges, from Oudanullah to Horrisonker, and perhaps considerably further to the eastward, not a place occurs that can be said to be permanently fixed. Bogwangola, which is a considerable mart for grain, and from which the city of Moorshedabad is principally supplied, exhibits more the appearance of a temporary fair, or encampment, than that of a town. It has, more than once, been removed, in consequence of the encroachment, and subsequent retiring of the river; upon whose banks, for the convenience of water carriage, and boat building, it has been always found expedient to keep it.

THE Ganges, as I have hinted above, differs from the smaller rivers, in this particular, that its windings are never so intricate; for let the encroachment, which is the principal cause of the inflection in its course, be carried on during any number of years, it will ultimately be stopped by the island which grows up opposite to the side encroached on, and which, sooner or later, will form a junction with the main land. The upper point of the island which divides the stream, does, by retarding its velocity, and obliging it to deposit the particles of earth and sand with which it is impregnated, quickly gather fresh matter, and shoot upwards; while the nearest shelving point above it, either continues stationary, or advances to meet it. Thus the intermediate channel is gradually straitened, and less water flows through it; at the same time that the increasing shallowness of the passage impedes the current, and causes a still greater precipitation of sand.

THE channel being, at length, completely choaked up, will, in the hot season, be left dry ; when the whole stream being diverted into the opposite channel, and glancing along the side of the new formed isthmus, will soon, provided the river continues to fall, form a steep ridge. This, however, will be overflowed again, and may, for a time, afford a passage in the rainy season ; but it will ultimately rise up into a formidable bank, and effectually close the passage. The lower part of the channel, however, forms a creek, in which a considerable depth of water will remain for some time ; but which receiving a fresh supply of matter on every ensuing flood, will be gradually filled up.

THE survey of part of the Ganges, on which I was deputed in 1796, gave me an opportunity of ascertaining the most remarkable changes which had occurred since the former charts were constructed ; the following detail of which, aided by an inspection of the accompanying map, will, it is hoped, be sufficient to illustrate and confirm the truth of the foregoing remarks.

NEAR *Sooty*, the great river had encroached to within a mile of that place ; the distance, according to the old maps, having formerly been five miles ; and by the reports of the oldest inhabitants of the neighbouring villages, it was in their remembrance, about forty years ago, reckoned four *cofs*. The narrow isthmus between it and the *Coffimbazar* river, was gradually becoming less, and, notwithstanding the old passage by *Saddygunge*, had, in a most extraordinary manner, been closed up by a mound of sand, yet there was some appearance that a new channel of communication would be formed, by the river breaking through the neck of land ; the encroachment still continuing, they said, at the rate of an hundred yards every year. It is possible, however, that the encroachment may be stopped

stopped by the diversion of the principal stream into another channel ; as an island of considerable extent has grown up opposite to the side encroached on, and may, in time, form a junction with the main land above it, in the manner I have already pointed out. Should this take place, the river which now runs in a south-westerly direction from *Turtipour* towards *Sooty*, will resume a direction more analagous to the general line of its course through Bengal ; and the land which it has carried away, by encroaching on its western bank, will be gradually restored.

THE alteration which appeared in the great river near the inlet of the *Baugrutty*, or *Cossimbazar* river, at *Mohungunge*, was no less conspicuous ; the main stream having receded considerably from that place within my remembrance, and a large island having been thrown up, which is already cultivated and inhabited. The river was encroaching on its Eastern bank, and appeared to be gaining ground again towards *Gour* ; the walls of which city, it is well attested, were formerly washed by the Ganges.

ANOTHER considerable gathering of islands had taken place between *Rajemahl* and *Oodanullah* ; and the principal stream which, by the maps, would appear to have run formerly close to the latter place, was not, at the time of this survey, nearer than $2\frac{1}{2}$ miles. The island nearest to *Oodanullah* was separated only from the main bank by a narrow branch, which was then fordable, and which extended to a considerable distance both above and below that place. This island was only cultivated in part, the rest of the lands being overrun with a thick *jungle*, in which I was informed were deer, wild hogs, buffaloes, and tigers.*

AT

* Here I brought to and pitched a tent, to observe the eclipse of the moon, on the 14th of December, 1796, I had occasion also to traverse a part of the island. The hills which were in view, diversified the prospect, while the tinkling bells of the cattle returning to their pens, at the close of day, had a rural, and pleasing effect. The serenity and awful stillness of the ensuing night, which was interrupted only by the wild notes and calls of various birds in the neighbouring thickets, contributed altogether to render this place one of the most singular and romantic abodes which I can well remember.

AT *Rajemahl*, the projecting point on which the ruins of the ancient palace and buildings are seen, has for many years resisted the force of the current; and the massy piles of masonry, some of which have subsided into the channel, have co-operated with the natural strength of the bank, in repelling the efforts of the stream.

THE *Rajemahl* Hills, from which several rocky points project into the Ganges, as at *Sicrygully*, *Pointy*, and *Pattergotta*, have for ages opposed the encroachments of the river; notwithstanding which, it has more than once excavated all the loose soil which lay between the projecting points. This, however, has been as often restored by the alluvions, and islands, which have grown up, and ultimately formed a junction with the bank.

THE alteration of the river at *Colgong*, may be reckoned among the most extraordinary which have ever been observed in the Ganges; and of this I can speak with greater confidence, if possible, than of those above-mentioned, having been an eye witness of the state of the river at this place at four several periods, in three of which I observed a considerable difference, viz. in the dry seasons of 1779, 1788, and 1796-7. I have a drawing of *Colgong*, taken by myself at the former of these periods, which represents the river to be a broad and open stream, and free from shallows; at the same time, although the three rocks near *Colgong* do not come into the view, yet I can remember that they were surrounded by dry land, and appeared to be at some little distance from the shore. This is confirmed by the old map, only that the *Boglepore* Nulla is represented as passing between the rocks and the town. In January, 1788, I found the three rocks completely insulated, and the current rushing between them with great rapidity; the river having undermined and borne away the whole of the soil which had for many years adhered to them, and having formed a bed for itself, with a considerable depth of water, which continued for several

veral years to be the principal, and indeed the only navigable channel of the river in the dry season. Here boats were frequently in imminent danger of striking against the rocks, as during the period of the river's encroachment, and particularly in the rains, it was difficult to avoid them when coming down with the stream. While the river continued thus to expand itself, an island was growing up in the middle of its bed, which, when I last saw it, (in January, 1797,) extended from near *Pattergotta*, 5 miles below *Colgong*, to a considerable distance above the latter place, being altogether 8 miles in length, and 2 in breadth; and filling nearly the whole space which had been occupied by the principal stream in the year 1779. The quantity of sand, and soil, which the river must have deposited to effect this, will appear prodigious, if it be considered, that the depth of water in the navigable part of the Ganges is frequently upwards of 70 feet; and the new islands had risen to more than 20 feet above the level of the stream. Again, the quantity of earth which it had excavated in forming a new channel for itself, will appear no less astonishing: some idea of this may, however, be conceived, from the soundings which I caused to be taken near the rocks, which varied from 70 to 90 feet. If we add 24 feet for the height of the soil that had formerly adhered to these rocks, as indicated by the marks it had left, it will appear that a column of 114 feet of earth had here been removed by the stream.* The encroachment of the river had, however, been ultimately stopped by the resistance it met with from a hard conker bank to the south-eastward of these rocks, and by the encreasing growth of the island, which had straitened the upper part of the channel, and caused it to be choaked with sand. Accordingly, in January, 1797, this channel resembled more a stagnated creek than the branch of a great river; and, notwithstanding the great depth of water which remained in some parts, it was at its upper

* See Plate I, and the Section in Plate II.

per inlet unnavigable for the smallest boats. The main stream had been diverted into the opposite channel, on the N. W. side of the island; so that boats, on their way up and down the river, did not, at this time, pass nearer to *Colgong* than $2\frac{1}{2}$ miles. The whole length of the channel which had been thus rendered in a great measure unnavigable, exceeded 10 miles; and I have little doubt but in a few years it will be impassable even in the rains.

THUS the Ganges, which for many years had flowed in a full stream by *Colgong*, may be said now to have deserted that place. The new island, which has been the principal cause of this diversion of the stream, is hitherto but partially inhabited and cultivated, the greatest part of it being overrun with reeds and tamarisk. The old channel exhibited a striking contrast to the appearance it formerly had, as not a single boat was to be seen; and the slender stream which flowed in at its upper inlet, not having power to communicate any visible motion to the vast body of water which remained in the lower part of the channel, it appeared, of course, as still as a lake, or a pond; and a great part of the main bank, which had formerly been in a crumbling state, had now become sloping * and firm.

Being enabled, on my return from *Colgong*, to complete the survey of the river down to *Horrisonger*, I found it, throughout a course of 160 miles, to differ widely from the old charts in almost every part: but having already mentioned the most remarkable changes which had occurred from *Sooty* upwards, it remains only now to give an account of such as I observed below that place.

THE

* This is a usual effect of the stagnation of water in all rivers; for as the current which bears upon a bank has a tendency to sap and undermine it, and to render it steep; so when this cause no longer exists, the bank will gradually recover that degree of inclination which is natural to the margins of lakes, or of stagnated pools. The upper part of the bank being moistened by the rains, crumbles in, and if the current be not sufficiently strong to bear it away, will gradually subside at an angle of 45 degrees, and fill up a part of the channel.

THE main stream of the Ganges, which now passes near *Sooty*, runs in a south-easterly direction, from thence towards *Comrah* and *Gobindpour*, the latter of which is close on its bank. The villages of *Saddagunge*, *Singnagur*, *Bansharya*, *Burruamtola*, *Narrainpour*, *Sicollypour*, and *Soondery*, no longer existed according to the positions which were ascribed to them in the old maps, * some having been entirely destroyed, and others re-established, under the same or different names, across the river, and partly upon the new formed island of *Sundeepta*.†

THE quantity of land which has been here destroyed by the river, in the course of a few years, will amount, upon the most moderate calculation, to 40 square miles, or 25,600 acres; but this is counterbalanced, in a great measure, by the alluvion which has taken place on the opposite shore, and by the new island of *Sundeepta*, which last alone contains upwards of 10 square miles.

THE main stream of the Ganges, which, in Major Rennell's map, appears to have passed within five miles and half of *Nabobgunge*, is now removed to a considerable distance from that place; and the channel from thence almost down to *Godagary*, having been a good deal contracted, in consequence of the diversion of the stream to the southward of *Nilcontpour* island, is now considered as the continuation and outlet of the *Mahanuddee* river. The inflection in the course of the Ganges produced by the encroachment towards *Sooty*, *Comrah*, and *Gobindpour*, has increased the distance by water from *Turtipour* to *Godagary*, in the dry season, to 26 miles; whereas by the maps it appears to have been formerly little more than 18.

THE

* See Major Rennell's Map of the Cossimbazar Island.

† See the Plan which accompanies this Memoir.

THE principal branch of the Ganges beyond *Go-bindpour*, now runs East, and E. by N. and turning pretty sharply round the point which is opposite to the present outlet of the *Mahanundee*, runs in a due southern course by *Sultangunge*, and *Godagary*, as far as *Bogwangola*; which town, as I have hinted above, has been always liable to shift its situation. My survey ascertains it to be $3\frac{1}{2}$ miles nearer to *Moorshudabad* than it formerly stood; but of this a more precise idea may be formed, by comparing its present bearings and distance from *Godagary*, and *Bomeneah*, with those which may be deduced from Major Rennell's map of the *Coffimbazar* island.

	Bearing.	Dist. in Miles.
Godagary to Bogwangola, by Survey (1797)	S. 2 W.	9
Ditto to Ditto, by former Surveys,	S. 36 E.	$9\frac{1}{2}$
Bomeneah to Bogwangola, by Survey (1797)	N. 21 E.	6
Ditto to Ditto, by former Surveys,	N. 50 E.	$9\frac{1}{2}$

FROM *Bogwangola* the river turns to the eastward, and the stream strikes with peculiar force upon a steep and crumbling bank, which indicates that the encroachment is still carried on rapidly below that place. The appearance of this bank was such as I scarcely remembered to have seen; and it would have been dangerous to approach it in some parts, as the fragments which were, every now and then, detached from it, would have been sufficient to sink the largest boat. In dropping down with the stream, which ran at the rate of near 6 miles in the hour, I could very sensibly feel the undulations which the huge portions of the falling bank produced in the water, at the distance of upwards of a hundred yards; and the noise with which they were accompanied, might be compared to the distant rumbling of artillery, or thunder. I am convinced, that had any boat attempted to track up under this

bank

bank at that time, it would have met with inevitable destruction.*

THE encroachment of the river in this part of its course has destroyed a considerable portion of arable land, and has been the cause, likewise, of the removal or destruction of the villages of *Banchdaw*, *Continagur*, *Chandabad*, *Kistnagur*, and probably of many others which were not inserted in the old maps. The village of *Sangarpour*, formerly $2\frac{1}{2}$ miles from the nearest reach of the Ganges, is now close to its bank; and here the river appears to occupy a part of the track which Major Rennell calls the "Old Course of the Ganges."

FROM hence the stream runs E. N. E. as far as *Allypour*, at which place, I was informed by the Zemendar, that in his remembrance, upwards of twenty villages had been destroyed by the river, and that the people had mostly settled on the new islands which within these few years had been forming opposite to his village. Indeed, the gathering of islands, which I had observed from *Burgotchy* down to this place, appeared prodigious; yet not a single tree was to be seen on any of them; and from the colour of the thatched huts, it appeared plainly that some of the villages had been recently established.

THE inlet to the *Culcully* river, which had formerly been at *Bogwangola*, is now removed several miles lower down. This has been a necessary consequence of the Ganges sweeping away all the land on each side of

* Since my return from the survey, I have been informed of the loss of several boats under this bank; which accidents have been owing probably to the imprudence of the boat-men, in not tracking on the shelving side. This, however, when there is not a clean shelving sand, is attended with difficulty, and in general with delay, which induces the boat-men sometimes to prefer the steep side, although at the risk of being overwhelmed, and crushed by the falling bank.

of it to a considerable extent, and the present entrance of the *Culcully* is near *Murcha*. This little river is become the thoroughfare for all boats passing from or to the Ganges by the *Jellinghy*, the old communication between them being now entirely shut up.

THE main branch of the Ganges runs N. E. by E. to about 4 miles below *Allypour*; whence turning E. and E. by S. it passes, as formerly, within 2 miles of *Bauleah*; being separated only from that place by two long islands, the uppermost of which, called *Gopalnagur dera*, is not marked in the old maps. It is doubtful, indeed, whether it existed at the period when the former surveys were taken. The branch which divides them runs in an E. N. E. direction towards *Bauleah*, but is not navigable for large boats in the dry season. The lowermost of the two is narrower than it would appear by the old maps, but reaches almost to *Surdah*, as it is therein represented.

ON my approach to *Cutlamary*, I entered a new branch, through which a considerable body of water flowed with some rapidity; and this led me close to *Rajapour*, leaving *Echamarry* on the left. It would appear, on inspecting Major Rennell's map, that no such passage as this had existed formerly; and, indeed, the people informed me, that it had only lately been opened by the great river, the main stream of which, however, continues its course, as heretofore, in an Easterly direction towards *Surdah*. This was the only instance I had observed, of the Ganges having insulated a part of the main land, its usual process of forming islands being such as I have before described. It is probable, nevertheless, that the island of *Echamarry*, which is very extensive, and on which are several other villages, may owe its existence to an alluvion, which took place at some remote period; or that it might originally have been an island, which,

having joined itself to the main land, had afterwards been detached from it. I am the more inclined to this belief, as its appearance was similar to other islands of the Ganges, there being no trees of any growth upon it, excepting the *mimosa nilotica*, or baubul, of which there were several clumps about the villages. The breadth of the new channel varied from one to two furlongs, with a considerable depth of water throughout; and the banks, in some parts, appeared to have suffered great violence. In one place, particularly, I was struck with their uncommon appearance; a slip of land, 5 furlongs in length, having detached itself from the main bank, and subsided into the channel. A similar effect, although in a less degree, was visible on the opposite shore; and in many other parts, huge portions of the soil had sunk, and formed a double bank, the lower ledge of which was in some places very little above the level of the stream. The continuation of this branch led near *Dunyrampour*, and terminated a little beyond *Sahebnagur*, where I entered the great river again, which here runs with considerable velocity in a Southerly direction.

PASSING *Jalabarya*,* my boatmen pointed out to me, what they called the mouth of the *Jellinghy* river, which was shut up with a solid bank across the whole breadth of it; but this, in fact, must have been the main channel of the Ganges itself, which formerly ran in that direction, as the real head of the *Jellinghy* is several miles further to the southward. By a survey of part of the Ganges, taken by Major Rennell in the year 1764, it appears that the main stream ran close by the town of *Jellinghy*; and in his "*Account of the Ganges and Burrampooler Rivers*," he has particularly mentioned the extraordinary encroachment of the river,

* This village is probably the *Dyrampour* of the old maps.

river, which, in his time, had gradually removed the outlet of the *Jellinghy* three quarters of a mile further down. The maps, which have been published, all represent the great river as running in that direction; only, that in those of the *Cossimbazar* island, and of the Ganges from *Surdah* to *Colligonga*,* it would appear doubtful whether the main stream ran on the West or East side of the island of *Nipara*. There cannot be a doubt, however, that the former was the case, else the encroachment could not have happened; and it is equally certain that the case is now altered; for, by the junction of the upper point of the island with the main land, the whole stream has been diverted in a South-Easterly direction, and does not now approach nearer to the town of *Jellinghy* than $2\frac{1}{2}$ miles. The old inlet of the *Jellinghy* river has been, in consequence, not only rendered unnavigable, but the whole of the channel between *Nipara* and the main land, viz. from *Jalabarya* down to *Dewangunge*,† near 12 miles in length, has been completely filled up, and is now cultivated. A considerable portion, however, of *Nipara* island has been washed away; and the remainder of it no longer exists under that name, but is called *Monimpour dera*. It would appear, indeed, by the direction which the main stream of the Ganges had so late as the year 1795, that it had forced a passage through this island; which seems the more probable, from the name of *Monimpour* being now common to the land on each side of it.

THE main stream, which, in the year 1795, ran directly down to the inlet of the *Howleah* river, has, since that period, been directed again still further to the eastward; and here I beheld with astonishment the

B 2

change

* See the Bengal Atlas.

† This village having been lately established, is not found in the old maps. It is situated near the inlet of the *Howleah* or *Comer* river, at *Mayefonda*.

change which, in less than two years, had taken place; a considerable portion of the main channel, which, at the period abovementioned, had contained nearly the whole stream of the Ganges, being, at the time I last saw it, so completely filled with sands, that I hardly knew myself to be in the same part of the river. The sands, in some parts, rose several feet above the level of the stream; and the people had already begun to cultivate *furfoo* and rice, in the very spots where the deepest water had formerly been. Two islands, of considerable extent, appeared to be quite new; and the channel, in some places, had been reduced, from the breadth of an English mile, to a furlong or less. The main stream, having forced its way in a new direction, did not at this time pass nearer to the inlet of the *Howleah* than $3\frac{1}{2}$ miles, nor nearer than 2 to *Horrisonger*.

THIS remarkable change, I was informed, took place during the extraordinary inundation of 1796; at which time the floods had risen to an unusual height in almost every part of the country; but it must have been chiefly while the waters were draining off, that such an immense body of sand could have been deposited. The inlet of the *Howleah* had been, in consequence, rendered somewhat difficult of access, and I was obliged to make a circuit round the new islands, of several miles, to get into it; but, notwithstanding the diversion of the stream, I found a considerable depth of water remaining under the main bank, although scarcely any current was visible from *Horrisonger* to *Dewangunge*.* On my approach to this place, I was informed that the passage was no longer practicable

* Water is found under the banks of the deserted channels of the Ganges for a considerable time after they cease to be navigable in the middle of their beds, the space immediately under the bank being generally the last that is filled up. I have likewise observed that, during the growth of the islands, the sand usually gathers round the upper point of the island, and rises to a considerable height, before the space which it leaves between itself and the bank of the island is completely filled.

practicable for boats proceeding to Calcutta by the *Iffamutty** river, as many shallows had been formed to a considerable distance below the inlet. The marks of the inundation were, indeed, very visible here; but in one part of the channel opposite to *Dewangunge*, where I expected to have met with the first shallow, I sounded from 20 to 60 feet, in the very place where there had been a ford but two years before. This will serve to convey an idea, not only of the rapidity with which the waters of the inundation can excavate the loose soil of Bengal, but also, of the inconstant and fluctuating state of the rivers in general; for I soon found that, notwithstanding the prodigious depth of water at *Dewangunge*, the *Howleah* river had been, in an equal degree, choaked up in other parts below that place; and I met with great difficulty in passing over the shallows which had been formed, although the *Budjerow* in which I travelled did not draw above two feet water.

HAVING now detailed the particular changes in the course of the Ganges which have come under my notice, I shall conclude this part of the subject with a few general observations concerning that river, reserving what I have to say on the smaller branches to a separate Section of this Memoir.

THE Ganges, in its course through Bengal, may be said to have under its dominion a considerable portion of the flat country; for not only the channel which, at any given time, contains the principal body of its waters, but also as much of the land, on each side, as is comprehended within its collateral branches, is liable to inundation, or to be destroyed by the encroachments of the stream, may be considered as belonging to the river. We must, of course, include any track, or old channel, through which it had formerly run, and into which there is any probability of its ever returning again; as the *Baugrutty nulla* at *Gour*; the

B 3

track

* The *Iffamutty* is only a continuation of the *Howleah* or *Comer* river, which lower down assumes the name of *Jaboona*, and falling in with the *Roymungul*, forms one of the principal outlets of the Ganges.

track called "Old Course of the Ganges," in the *Cossimbazar* island; or the channel which has been, within these few years, so completely filled up near *Jellinghy*. Considered in this way, the Ganges will be found to occupy a considerable expanse, of which a more correct idea may be formed, by taking the distance between any two places opposite to one another, which had formerly been, or one of which may still remain on the verge of, or in the vicinity of the stream; for instance,

			Miles.
Oodanulla to the ruins of Gour,	—	—	15
Furruckabad to ditto,	—	—	14
Comrah to Nabobgunge,	—	—	$10\frac{2}{3}$
Comerpour to Bogwangola,	—	—	$9\frac{1}{4}$
Extreme breadth of river bed between	}	—	$9\frac{1}{2}$
Jellinghy and Maizeconda,			

IF corresponding sections of the bed of the river, and neighbouring ground, were represented, it would probably appear, that all the land is disposed in regular strata; whence we might with certainty conclude, that the whole had been at some former periods deposited by the stream.

THE strata, in general, consist of clay, sand, and vegetable earth; the latter of which is always uppermost, except when in some extraordinary high flood, a new layer of sand is again deposited over it, by which means the ground becomes barren, or is at least materially injured.

THE bed of the Ganges can scarcely be said to be permanent in any part of its course through Bengal. There are, however, a few places, where, from local causes, the main channel, and deepest water, will probably be always found; as *Monghir*, *Sultangunge*, *Pattergotta*, *Pointy*, *Sicrigully*, and *Rajemahl*; at all which places there are rocky points projecting into the stream, and where some parts of the bed of the river are stony, or its banks consist of conker.

On

On the smaller RIVERS and BRANCHES of the GANGES.

THE tributary streams of the Ganges, and the numerous channels by which it discharges its waters to the sea, resemble each other in proportion as they differ in size from the main river. Of the former, the *Goggra*, the *Soane*, and the *Coofa*, may be reckoned among the largest; and these, on the slightest inspection of the maps, will appear to flow in more direct courses, than any of the smaller streams in their vicinity. Of the latter, the *Cossimbazar* and *Jellinghy* rivers, which, by their junction, form the *Hoogly*; the *Comer*, or *Iffamutty*, which becomes the *Jaboona*; the *Gorroy*, and *Chandnah*, are the principal; but of these, the two last are only navigable throughout during the dry season.* Such of these rivers as are narrowest, are remarkable for their windings; and in this respect they differ materially from the large rivers, all of which have a tendency to run in more direct lines.

THE following Table exhibits a comparison of the relative differences in the lengths of their courses, in given spaces.

RIVERS.	Mean breadth in main channel	Horiz- ontal distance	Length of their Course.	Excess for Wind- ings.
	Miles	B. Miles		
Ganges, from Pointy to Bauleah, ...	1	100	125	25
The Goggra, or Dewah, from its outlet upwards,	1	100	112	12
The Hoogly river, from Calcutta to Nuddea,	$\frac{3}{4}$	60	76	16
The Goomty, from its outlet upwards, . .	$\frac{1}{4}$	100	175	75
The Iffamutty, and Jaboona, from Dewangunge to Baufetulla, ...	$\frac{1}{8}$	100	217	117

B 4

IN

* There have been instances of all these rivers continuing open in their turns in the dry season. The *Jellinghy* used formerly to be navigable during the whole or greatest part of the year. The *Cossimbazar* river was navigable in the dry season of 1796; and the *Iffamutty* continued so for several successive years; but experience has shewn that they are none of them to be depended on.

IN the last it appears, that the distance is more than doubled by the windings of the stream ; and I could produce many more instances to shew, how much the small rivers exceed the larger in this particular.

As all the rivers which I have mentioned flow over the same flat country, and some of them in directions almost parallel to each other, it is evident that they must have nearly the same declivity in equal spaces. We may conclude, therefore, that the striking difference which is observable in the form of their beds, is owing to an invariable law of nature, which obliges the greater bodies of water to seek the most direct channels ; while the smaller and more scanty rivulets are made to wander in various meanders, and circuitous sweeps ; spreading fertility, and refreshing the plains with their moisture. And in this, as in every other part of the creation, we see the bounty of Providence most amply manifested ; for had the great rivers been decreed to wander like the smaller, they would have encroached too much on the land ; while the current being considerably retarded, would have rendered them more liable to overflow their banks, and less able to drain the smaller streams, and low grounds, of the superabundance of water in high floods. Again, if the tributary streams, and small branches of rivers, had been direct in their courses, they must have poured out their contents with such rapidity, that, owing to the greater influx of water from the former, the main rivers would have been still more liable to sudden overflows ; while the branches at their outlets, although, from their straightness, better able to drain off the superfluous water to the sea, would yet have been rendered less fit for the purposes of navigation, and the convenience of man.

WHAT I have to offer on the subject of the smaller rivers, relates more particularly to the *Baugrutty* and
Iffamutty

Iffamutty, which I have surveyed: it may, however, be applied, in some measure, to all such as flow through the plains of Bengal.

It has already been shewn, that the encroachments on the banks of the Ganges, which produce inflections in the course of that river, are ultimately stopped by the growth of islands; which connecting themselves with the main land, have a tendency to restore a degree of straightness to the channel. The small rivers are liable to the same encroachments on their banks; but as there is not sufficient space between them for islands of any bulk to grow up, the effect is usually very different; for the stream continuing its depredations on the steep side, and depositing earth and sand on the opposite shore, produces in the end such a degree of winding, as, in some instances, would appear almost incredible. I will particularize only a few of the most extraordinary cases I have met with.

THE distance from *Bulliah* to *Serampour*, two villages on the western bank of the *Iffamutty*, is somewhat less than a mile and a half; in the year 1795, the distance by water was 9 miles, so that, at the ordinary rate of tracking, which seldom exceeds 2 miles in the hour, a boat would be $4\frac{1}{2}$ hours in going from one place to the other. The river in that space had seven distinct reaches, two of which were of considerable length; and between three others, which nearly formed a triangle, the neck of land which separated the two nearest was only 14 yards* across; while the distance round exceeded three miles. See *Plate II. fig. 1.*

HIGHER up this river, the village of *Simnautpour* is situated close to a narrow isthmus, across which the
distance

* In January 1797 I found this narrow isthmus broke through by the river, and on sounding in the very spot where it had existed, and where the bank had been upwards of 20 feet high, I found 18 feet water. This alteration in the course of the *Iffamutty* saves the traveller upwards of 3 miles.

distance is little more than a furlong; and as the village nearly fills the whole space, boats pass one side of it a considerable time before they come to the other; for the distance round is six miles. See Plate II. fig. 2.

BUT the most extraordinary of all the windings I met with, was near *Sibnibas*, where this river is projected into six distinct reaches, within the space of a square mile, forming a kind of *labyrinth*, somewhat resembling the spiral form of the human ear. In this were three necks of land, the broadest of which little exceeded one furlong. See Plate II. fig. 3.

EVERY person who has travelled by water to the upper provinces, must remember the circuitous course of the *Baugrutty* river, and the extraordinary twist which it formerly had near *Plassey*, and also at *Rungamutty*,* and between *Cossimbazar* and the city of *Moorshedabad*. Some of these windings have been removed, by cutting canals across the narrow necks of land, and these having been considerably widened and deepened by the stream, are now become the real bed of the river; the old channel being in such cases soon blocked up by sands, and frequently by a solid bank across the whole breadth of it. There is, however, no other advantage in making such cuts, than that of rendering the passage somewhat shorter by water; for, in other respects, it is sometimes attended with inconvenience to the natives who inhabit the banks of the rivers, and should never be attempted, but when some valuable buildings, or lands, may be saved by it; and it is a question worth considering, whether by shortening the course of any river, we may not render it less navigable; for the more a river winds, the slower will be its current, and consequently its waters will not be drained off so soon.† Another effect

* See Plate III. figs. 1 and 2.

† See Mr. Mann's Treatise on Rivers and Canals, in the Philosophical Transactions for 1779.

effect of the shortening of its course might be, that, owing to the greater rapidity of the current acting against the sides in a loose soil, it might too much enlarge the capacity of its bed, the effect of which would be to produce a proportionable degree of shallowness in the middle of the stream.* I cannot say that this has been the case at any of the places where cuts have hitherto been made; but it is not improbable that the greater velocity which they give to the current throughout, might produce such an effect in other parts.

THE end which is proposed by cutting such canals, is very often effected by nature alone; for the narrow isthmus between the opposite reaches being gradually straitened by the current washing away the bank on both sides, it becomes at length too slender to resist the pressure of the waters in the rainy season, and is burst open.† This no sooner happens, than the river widens the breach, and soon renders it sufficiently capacious for the passage of the whole of its waters; in which case, the old circuitous channel is abandoned, and being soon shut up at both ends, in the manner pointed out above, continues in the form of a stagnated *jeel* or pool. I have seen several of these *jeels* near the banks of the *Cossimbazar* and *Iffamutty* rivers, some of which appeared to have existed many years; for they are not so liable to be filled up as the deserted reaches of the Ganges, whose waters during the high floods are impregnated with a much greater quantity of sand and mud; and as in a hot climate, the effluvia which arise from all stagnated waters must necessarily infect the air,‡ this reason alone should suffice to deter

us

* The great breadth of the *Cossimbazar* river at *Moorshedabad*, is the principal cause of its shallowness at that place.

† See Plate II. fig. 1; and the Note in page 25.

‡ The *Motijil* lake was formerly one of the windings of the *Cossimbazar* river.—See Major Rennell's Memoirs. Another of these swamps, or one which might possibly have been a part of that river at some remote period, now exists near *Burrampour*; and an attempt, though ineffectual, was lately made to drain it, on account of its unwholesome exhalations.

us from anticipating nature in a matter which, with such apparent disadvantages, has nothing more to commend it, than the shortening by a few miles the navigation of a river.

THE reaches of the small rivers are not all equally winding, and liable to change; but some are found to run with tolerable straightness for several miles. In such parts, their channels appear to have been permanently settled for ages, and to have every appearance of continuing so; for the current proceeding at a slow and steady rate, in a direction parallel to the shore, does not encroach upon the banks, which are here generally sloping, and firm. The sites of many of the principal towns, and villages, along their banks, have been established on such spots; as *Moorshudab*, *Churkah*, *Chowragatchy*, *Mutyaree*, *Dyahaut*, and some others on the *Baugrutty*; and *Bungoung*, *Morole*, and *Taldahy*, on the *Iffamutty*. Nor is it easy to conceive any thing more beautiful than the view of some of these reaches, particularly where the banks are shaded by large trees, and enriched with temples, *gauts*, and other buildings, or sometimes clothed with verdure down to the water's edge.

AT the turning between the several reaches, we frequently find large pools, where the water is considerably deeper, and where also the breadth of the channel is much greater than in other parts. I am inclined to think, that these are not always produced by the mere operation of the current, but are sometimes owing to cavities, or small lakes, which exist before the river, by the shifting of its bed, had worked a passage through them; particularly as in some places we find a flat or shelving shore on the concave or outside of the pool, and a steep jutting point at the opposite angle, which is the very reverse of what is produced by the natural agency of the stream; for in other places we usually find the steep bank deep water, and consequently the greatest velocity of the current.

current on the concave side of the bank, while the opposite shore is shelving, and the water frequently so shallow that boats cannot approach it.

ALONG the banks of the *Iffamutty* river, and in a few instances in the course of the *Baugrutty*, the shelving points which are formed at the angles between the reaches, are overrun with thick *jungles* of long grass, which are the usual haunts of tigers, wild buffaloes, and other animals. But this is more commonly the case along the banks of the former, where the country is not only less cultivated, but where the more intricate windings of that river afford greater shelter to wild beasts.*

THE deepest water in these rivers is usually found under the high banks, and at the angles between the several reaches; but in the straight reaches, where the banks are sloping, and the river is of a moderate breadth, the greatest depth will always be found in the middle of the channel. I have frequently sounded upwards of 30 feet in the *Iffamutty*; but these great depths of the stream are of little avail, not being general; for in other parts where that river expands itself over a broad and sandy bed, or where the fishermen drive bamboos, and draw their nets across the channel, obstructing the current, and causing a considerable accumulation of sand, the water frequently shoals to 2 feet, or less. The same causes operate to render the *Jellinghy* and *Baugrutty* unnavigable in the dry season, but in a still greater degree, owing to the greater width of their channels.

HAVING now described generally the nature of the small rivers and branches of the Ganges, I shall offer
a few

* In these spots, hares, partridges, and other game, abound; but it is difficult or dangerous to attempt to start them without elephants; nor is it necessary to do so, if the object of the sportsman is merely to kill game for his table; for in the vicinity of the plantations, and along the skirts of the *jungles*, he will frequently find enough to satisfy him, without the danger of encountering a tiger.

a few hints as to the possibility or practicability of rendering the latter navigable at all seasons, the importance of which object, if it could be attained, must be obvious.

THE principal causes which obstruct the navigation of these rivers, may be reduced to three: first, the quantity of sands which are occasionally thrown into their beds by the Ganges; secondly, the too great breadth of their channels in sundry parts where there is not a proportionable depth; and thirdly, the casual obstructions which are thrown in the way of the stream by the fishermen. The first of these, it will readily be conceived, can never be prevented; but so long as these rivers continue to be the outlets of the Ganges, and to drain off a considerable portion of its waters, there will always be a stream throughout their channels during the whole year, however scanty it may be in some parts. I have never, at least, known an instance of their being left dry in any part of their beds; excepting the *Jellinghy*, the old entrance to which, as I have mentioned before, had been entirely shut up, but which continues, notwithstanding, to receive a supply of water from the *Culcullia*, and to maintain its communication with the Ganges through that channel.

As the shallows which are produced from the causes abovementioned are only partial, affecting only in a small degree, comparatively with their lengths, the channels of these rivers, it might be possible to counteract them in such a manner as to produce a more equal distribution of water; and as the depth which would be requisite for boats of a moderate burthen is inconsiderable, perhaps it might be effected with much less labour and expence, than might at first be imagined.

I was led to this supposition, from frequently seeing that the mere operation of dragging by force a boat,

or budgerow, through any of the shallows, tended, by stirring up the sands, to deepen the channel. If, therefore, round or flat-bottomed boats can produce such an effect, in how much greater a degree might it not be done by means of a machine constructed for the purpose, which might be dragged to and fro through the shallow place, until a sufficient depth of water should be obtained for the passage of boats. If such machines, which might be contrived somewhat in the form of a large iron rake, and occasionally to go on wheels, were to be stationed at the several villages, or towns, in the vicinity of the shallows, it is possible that the Zemeendars might be induced, for a moderate consideration, to furnish people, or cattle, to put them in motion, whensoever it might be necessary.*

WITH regard to the too great breadth of the channel, it would not so easily be remedied; but as the shallows which are produced from this cause, are few in number, and are only to be met with in some of the long reaches, as at *Moorshudabad*, and *Bulleah*, it would be worth while to try how far, by filling up a part of the channel, we could prevent the expansion of the stream; and, by confining it within certain limits, could accelerate the motion and depth of the water.

THE last cause of accumulation of sand and shallowness, might be prevented, by prohibiting the natives from driving bamboos across the channel for the purposes of fishing; as they have many other ways of catching fish, without detriment to the navigation of these rivers.

II. On

* Since this paper was written, a proposal has been submitted to the Government, by the Author, for attempting to keep open the *Coffinbazar* river, or *Jellinghy*, during the dry season.

II.

ON SINGHALA, OR CEYLON,

AND THE

Doctrines of Bhooddha;

FROM THE BOOKS OF THE SINGHALAIS.

BY

CAPTAIN MAHONY.

ACCORDING to the opinions of the *Singhalais*, and from what appears in their writings, the universe perished ten different times, and by a wonderful operation of nature was as often produced a-new. For the government of the world at those different periods, there were 22 BHOODDHAS, a proportionate number of whom belonged to each period. Besides this, the *Singhalais* assert, from record, the total destruction and regeneration of the universe many other times; the written authorities for which are no longer to be found.

For the government of the present universe, which is to be considered in addition to those above stated, five BHOODDHAS are specified; four of whom have already appeared;—KAKOOSANDEH BHOODDHA, KONAGAMMEH B—, KASERJEPPEH B—, and GAUTEMEH B—; and the fifth, MAITREE B—, is still to come. This last BHOODDHA will be born of a Braminee woman: and though the place of a BHOODDHA is now vacant in the world, yet there exists a SAHAMPATTU MAHA BRACHMA, or Supreme of all the Gods, who has it under his peculiar guidance. The last of the above-mentioned four BHOODDHAS (GAUTEMEH B—) is the one whose religion now prevails in *Ceylon*, and of whom it is here intended to make some mention.

THE

THE word BHOODDHA, in the *Palee* and *Singhalai* languages; implies, *Universal Knowledge or Holiness*; also a *Saint superior to all the Saints, even to the God MAHA BRACHMA*; and is understood in these various senses by the natives of *Ceylon*.

THE BHOODDHISTS speak of 26 heavens, which they divide in the following manner.

1st, The *Deveh Loke*, consisting of 6: 2d, the *Brachmah Loke*, consisting of 16; 5 of which are considered as Triumphant Heavens: and 3d, the *Arroopeh Loke*, consisting of 4. They say of the virtuous, "That they do not enjoy the reward of their good deeds, until after having repeatedly died, and appeared as often in the six first heavens, called *Deveh Loke*; in order to be born again, in the world, to great wealth and consequence: and having, at length, enjoyed a fore taste of bliss in the 11 inferior *Brachmah Lokess*, they ascend the 5 superior *Brachmah Lokes*, or Triumphant Heavens; where transmigration ends, and where they enjoy the fullness of glory, and the purest happiness."

BHOODDHA, before his appearance as man, was a God, and the Supreme of all the Gods. At the solicitations of many of the Gods he descended on earth, and was frequently born as a man, in which character he exercised every possible virtue, by extraordinary instances of self-denial and piety. He was at length born* of MAHAMAYA DEVEE, after a pregnancy of 10 months, and had for father SOODDODE'NEH RAJA. He lived happily with his queen YASSODERA, and 40,000 concubines, for 31 years. The six next he passed in the midst of wildernesses, qualifying himself to be a BHOODDHA. At the close of this period, his calling became manifest to the world, and he

VOL. VII.

C

exercised

* In the kingdom or country called *Dumba Deeva*, *Madda Dēfē*, and the city of *Kimbool wat-poorē*.

exercised his functions as BHOODDHA for 45 years. He died in *Coofeemarapooree*, at the Court of MAL-LELEH RAJA, Tuesday, the 15th of May; from which period the BHOODDHA WAROOSEH, or æra of BHOODDHA, is dated, which now (A. C. 1797) amounts to 2339 years.

BHOODDHA is not, properly speaking, considered, as a God, but as having been born man, and in the end of time arrived at the dignity of a BHOODDHA, on account of his great virtues, and extraordinary good qualities. The title of BHOODDHA was not conferred on him by any Superior Power; he adopted it by his own sovereign will, in the same manner as he became man, both of which events were predicted ages before. BHOODDHA, after his death, ascended to the Hall of Glory, called *Mooktze*, otherwise *Nirgoowané*, which is a place above, and exceeding in magnificence, the 26th heaven; there he will live forever, in happiness, and incorruptibility, never to be born again in the world; where his doctrine is at present extant, and will continue in all its splendour for 5000 years, according to his own prophecy. Long after the lapse of this period of 5000 years, another BHOODDHA, named MAITREE BHOODDHA, will be born: the direction or vicegerency of MAHA BRACHMA, who, as the Supreme of all the Gods, has the particular guardianship of the world, will cease after an infinite number of ages, when the universe will perish, and another succeed to it. MAHA BRACHMA will then advance by degrees through 17 heavens, which are above the 9, in the uppermost of which he now resides, until he at length acquires all the qualifications to become a BHOODDHA.

THE learned *Singhalais* do not acknowledge, in their writings, a Supreme Being, presiding over, and the author of the universe. They advert only to a SAHAM-PATTEE MAHA BRACHMA, who is the first and Supreme of all the Gods, and say, that he, as well as the
host

host of Gods inferior to him, and their attendants, have neither flesh or bones, nor bodies possessing any degree of consistency, though apparently with hair on their heads, and teeth in their mouths: and their skins are impregnated with the most luminous and brilliant qualities.—They assert a first Cause, however, under the vague denomination of *Nature*.

IN support of their denial of a Supreme Power, who created heaven and earth, they urge, “that if there existed such a creator, the world would not perish, and be annihilated; on the contrary, he would be careful to guard it in safety, and preserve it from corruptibility.” In the first instance, BHOODDHA interferes in the government of the world; next to him, SAHAMRATTEE MAHA BRACHMA; and afterwards the respective Gods, as they are, by their relative qualifications, empowered.

THE world, say they, perished frequently in former times, and was produced a-new by the operations of the above power: Gods and men from the same source. The latter, on dying, ascend the six Inferior Heavens, or *Deveh Loke*; are judged according to their merits, by one of the most inferior Gods, name YAMMEH RAJA, in the lower heaven, *Pavenirm Mitehwassfeh warteyeh*, and regenerate of themselves, on the earth, either as men or brutes; which regeneration continues until they arrive at the *Brachmah Loke*, or the Heavens of the Superior Gods; and so on, by degrees, at the Triumphant Heavens, until they at length reach the Supreme Heaven, or *Arroopeh Loke*. Properly speaking, transmigration takes place with those only who ascend the *Deveh Loke*.

IN the manifested Doctrine of BHOODDHA, there is no mention of created souls. The learned treat but of a breath of life in man, which they compare to a leech, that first attaches itself to a body

with its fore part, previous to giving up his hold with the hinder part. Therefore they say, "the body does not die before this breath of life has fixed itself in another, whether from a fore-knowledge of its being about to ascend the heavens, or to undergo the pains of everlasting or temporary damnation in hell." That which is termed the breath of life, is deemed "immortal."

THE *Singhalais* speak not further of what is understood by us under the term of Paradise, than that there is a place reserved for the blessed, free from all sin, full of all joy, glory and contentment. But *Nirgowané*, otherwise called *Mooktzé*, signifying a Hall of Glory, where the deceased BHOODDHAS are supposed to be, is, according to the testimony of GAUTEMEH BHOODDHA, situated, as already noticed, above the highest or 26th heaven, *Neweh Sanja Jat-téné*, the seat of the most perfect and supreme bliss. Hell, on the contrary, is supposed to be beneath the lowest extremity of the earth, with waters again beneath it, where the most dreadful tempests rage without intermission.

THE earth, or this world, called *Manoospeh Loke*, and the Inferior Heaven, *Katoormaha Rajee Keyeh*, are under the sub-direction of the God SAKKEREH :* he again delegates his authority to four other Gods immediately subjected to him, who respectively guard the four quarters, or four parts, into which the *Singhalais*, in their system, divide the earth. DIRTHER RASHTEREH presides over the East, called *Poorweh Weedéseyeh* : WEEROODHE', the South, *Jamhoodwee-peeh* : WEEROOPAAK SERREH, the West, *Appereh-godaneh* : and WAYSERREH WENNEH, the North, *Ootoorookooroo Dewehinneh*. None but Gods can pass from any of these worlds, or divisions of the world, to the other. One comprises our known earth of Europe,

* He is besides commonly called *Sekkereho*, *Sekkereha*, *Sekkereh Devee Raja*.

rope, Asia, Africa, and America, and is termed by them, *Jamboodweepah*. Each is supposed to be reflected upon by a precious stone in the heavens, through the medium of which, the sun and moon emit their lustre: the blue sapphire is ascribed to ours; the white sapphire, ruby, and topaz, to the other three. A principal duty of these Gods, is, to guard their superior God, SAKKEREH, against the machinations of his chief and most powerful enemy, the God WEPE-CHITTEE ASSOOREENDREHYA, who resides beneath the Sea, in a lower world, termed *Ajsoorehloke*. Then follows their care to the parts of the world confided to them. On the day of the new moon, that of the first quarter, and on the full, they inquire by their servants, their male children, and latterly by themselves, into the conduct of mankind; the result of which inquiries they report to the great council of SAKKEREH, consisting of himself and 32 members, (inferior Gods:) the extremes of good and bad report of the conduct of mortals; are causes of the utmost concern, or most unbounded joy, to this assembly.

THE *Singhalais* assert, as manifested by BHOODDHA, that there are 120,535 inferior Gods belonging to the lower heavens and the earth; besides innumerable *Kombaendeyos*, or angels; but the former, as well as the latter, are subject to the controul of superior Gods. They arrange the characters in their mythology as follows:

- 1st, Bhoddha,
- 2d, Maha Brachma,
- 3d, Sakkereh,
- 4th, Sakkereh's 32 Counsellors,
- 5th, The 4 Gods, guardians of the 4 quarters of the world,
- 6th, The other inferior Gods of the heavens,
- 7th, Kombaendeyos, or angels,
- 8th, The Gods who reside on earth, and their servants.

DIEPANKEREH BHODDHA was one of the 22 BHODDHAS formerly alluded to, and held the first rank among them. His name is frequently mentioned in the books now extant among the *Singhalais*, and they, from many considerations, hold him in peculiar veneration. He was famed for the uncommon beauty of his person; and the followers of the true doctrine were more numerous in his days, than during the government of other BHODDHAS in those remote periods.

GAUTEMEH BHODDHA is acknowledged by the *Singhalais*, to be the same holy character termed by the *Siamefe*, SOMMONOKODOM, and POOTISAT. SOMMONO GAUTEMEH is, however, according to the former, the proper mode of writing the first appellation. SOMMONO in the *Palee* language implies a renowned Saint, whose garb, as well as his actions, marks his character: In many senses it is synonymous with BHODDHA. GATUIMEH, or GAUTIMO, (as it is occasionally pronounced by those from whom I caught the sound,) is a proper name, pertaining to a person of ancient and illustrious descent. BHODDISAT, or POODISATWEYO, is a title given to those in heaven destined to become BHODDHAS,

THE *Palee* is the language in which BHODDHA is said to have preached his doctrine, and manifested his law. This language is also termed, by the learned *Singhalais*, the *Magedee* and *Moola Bassha*; *bassha* being the *Singhalais* for language. The principal and most holy code among the *Singhalais*, and that which may be termed their Bible, appears to be the *Abidarmeh Pittekeh Sattappré Karranee*. This book is written in the above dialect, and may be had at the capital of *Candia*: at least it is in the possession of the learned there. A priest of the religion of BHODDHA, whom I questioned concerning the *Vedas* and *Pooruans* of the Hindoos, and whether the book just mentioned had any relation to them, replied, "The *Vedas* are books

“in the possession of, and taught by, the *Brahmines* :
 “they contain the principles of every science, but
 “treat not of theology. We possess many books of
 “the same tendency, and equally profound, in the
 “*Palee* language, some of which have been translated
 “into the *Singhalais*. We have no knowledge of the
 “*Pooruans*.” I then urged the real contents of the
Vedas, that they were interspersed with speculations
 on metaphysics, and discourses on the being and at-
 tributes of God, and were considered of divine origin:
 of the *Pooruans*, I added, that they comprised a va-
 riety of mythological histories, from the creation to
 the incarnation of BHOODDHA.

ANY further acquaintance with these books, than
 what has been already mentioned, was disclaimed. But
 as to the supposed incarnation of BHOODDHA, “The
 “Hindoos (rejoined the Priest) must surely be little
 “acquainted with this subject, by their allusion to
 “only one. BHOODDHA, if they mean BHOODDHA
 “DHERMA RAJA, became man, and appeared as such
 “in the world at different periods, during ages, before
 “he had qualified himself to be a BHOODDHA. These
 “various incarnations took place by his own supreme
 “will and pleasure, and in consequence of his su-
 “perior qualifications and merits. I am therefore in-
 “clined to believe, that the Hindoos, who thus speak
 “of the incarnation of a BHOODDHA, cannot allude
 “to him whose religion and law I preach, and who is
 “now a resident of the Hall of Glory, situated above
 “the 26th heaven.”

THE temples of BHOODDHA are properly called
Boodestaneh, *Siddestaneh*, and *Makegawa*. These
 epithets are, however, seldom used, when speaking
 of such places: *Vihare*, and *Viharagee*, which strictly
 mean the habitations of the priests, that are always
 built close to the temples dedicated to BHOODDHA,
 are the most general.

THE religion of BHOODDHA, as far as I have had any insight into it, seems to be founded in a mild and simple morality. BHOODDHA has taken for his principles, Wisdom, Justice, and Benevolence;* from which principles emanate Ten Commandments, held by his followers as the true and only rule of their conduct. He places them under three heads; thought, word, and deed;† and it may be said, that the spirit of them is becoming, and well suited to him, whose mild nature was first shocked at the sacrifice of cattle. These Commandments comprise what is understood by the moral law, which has been generally preached by all the BHOODDHAS in different countries, but chiefly by the last, or GAUTEMEH BHOODDHA, in the empire of Raja GAHA NOOWEREH. They are contained in a Code of Laws written in the *Palee* language, called *Dikfangeeyeh*.

THE BHOODDHISTS have prayers adapted to circumstances, which are used privately in their houses, and publicly in presence of the congregation. They were first recorded by the King WATTEH GEMMOONOO ABAYENAJEH, as regularly handed down from BHOODDHA, in whose days the art of writing was not known. BHOODDHISTS are obliged to pray three times a day; about 5 o'clock in the morning, at noon, and towards the fall of night. Their devotions are addressed to BHOODDHA and his RAHATOONS, (Apostles,) with a religious respect for his Code of Laws, and the relics both of him and the RAHATOONS. The respect afforded to the relics, is in memory of the characters to which they belonged, without ascribing to them any supernatural virtue. Four days in the month are dedicated to public worship, the four first days of the changes of the moon, when those who are able attend at the temples. There are no other public days of festival or thanksgiving: all are, however, at liberty to

* *Singalese. Bhooddha, Dermah, Sangeh.*

† *Singalese. Hittenema, Keeyenema, Kerrenema. — Palee. Mannehet, Waak, Kayeh.*

to select such day for themselves; and this they particularize by acts of devotion, consisting in fasting, prayer, and forming resolutions for their future good conduct; all which devout acts are addressed to their Saviour BHOODDHA, &c.

IT is customary for the pious, who attend at the temples more regularly, to make offerings at the altar. Before the hour of 11 A. M. dressed victuals may be introduced, but not after that hour; flowers only can then be presented. The victuals are generally eaten by the priests or their attendants, and form a principal part of their resources.

THERE is one character in the church superior to all, who is distinguished by name, and the duties of his office: he is stiled DAMMAH CANDEH MAHA NAYEKEH.

DURING the reign of the Portuguese in *Ceylon*, the religion of BHOODDHA was much persecuted, and became in consequence neglected, and almost unknown, even to its votaries. When the Dutch conquered the island; greater liberties being granted to the followers of BHOODDHA, the priests acquired some degree of light, and, with the assistance of learned men, sent from *Siam*, religion again began to flourish. The high priest, about this time, was a person of extensive learning and great piety. In the former he exceeded the very men sent from *Siam* to instruct him. His superior talents gained him the title of SREEHNAN-KEREH SANGA RAJA, which was granted him by the King of *Siam* and his high priest conjointly, and confirmed by the King of *Candia*. Since the death of SANGA RAJA, there has been no person of his rank; none having been found of sufficient learning. For the ordination of a priest, a council is assembled, consisting of the high priest, with thirty others of learning, and

and the two ministers of state. The person intended for orders, being previously examined, and deemed, in every respect, fit to fill the character of priest, is introduced into this assembly, and then asked, if willing to conform to the different duties required of him; and whether he desires ardently to enter into holy orders. On answering in the affirmative, he is stripped of the clothes he wore at entering; and receives, from the hands of two priests, the robes belonging to his new character. He is before this vested with inferior rank and powers, which can be granted by the generality of Temples; but before this council only, can he be made a priest, or *Terrunassch*. He must be perfect in all his limbs, and not under twenty years of age; in addition to which, good conduct and learning are the only requisites for priesthood. A priest is bound to celibacy: but when any one wishes no longer to continue in orders, he has it at his option to resign, at a meeting of the priests of his district, which takes place monthly, either at the new or full moon; sometimes at both. Quitting orders in this manner is not deemed a disgrace; but to be dismissed for improper conduct, is looked upon as the greatest of all ignominy. Various are the modes by which they incur guilt: among such, the killing, even a fly; connexion, or a wish for such, with women; any use of strong liquor; theft, of the most harmless kind, or a lie, may be principally noted. They can eat once or twice a day, according to the promise made at ordaining: it is necessary, however, that their meals should be between sun rise and 11 o'clock A. M. After the latter hour no priest can eat, but may drink. The priests of BHOODHA live upon charity, and by their law, are allowed to eat of every species of food offered to them in that way. Was a priest, however, to enter a house, and a fowl to be killed purposely for him, then would he be culpable: for the law of BHOODHA forbids the killing of any animal. The BHOODHISTS of Ceylon never eat of beef; but the prohibition, if such may be deemed the cause, pertains

pertains not to their religion. A certain King of Ceylon, at a remote period, is said to have issued a mandate to that effect, in consequence of the unusual expenditure of butter he had occasion for, to celebrate a festival of thanksgiving to BHODDHA: the allowing of a cow to be killed, was, by that order, death to the owner, though he had no share in the act. Such, the *Singhalais* say, was the earliest cause of the above custom; which, however, is ascribed by many to their gratitude towards the animal. Be this as it may, they certainly refrain from the use of such food as strictly as the Hindoos, with this difference in their prejudices, that they have no objection to seeing, or touching, the flesh of a cow; nor do they object to the use we make of it. The King is, in general, obliged to consult with the high priest on all matters of moment. His advice is frequently taken, and secrets communicated to him, when the ministers are neither consulted nor trusted.

A species of confirmation is enjoyed by the law of BHODDHA, termed *Sarana Sicleh*. The ceremony is short, and simple. It includes nothing more than a confession of, and a formal introduction into, the faith; which is concluded by a blessing from the priest, expressing his wishes that BHODDHA, his RAHATOONS, and doctrine, may be the means of everlasting happiness to the person initiated.

MATRIMONY (called in *Singhalais*, *Magooleh*, and in *Patee*, *Kalianeh Mangalleh*) takes place in the following manner:

The parents, on both sides, go alike, to demand a husband or wife for their child. If the parties agree, a day is fixed upon, when the relations assemble in the house of the bridegroom, to repair together to that of the bride. Previous to setting out, the man sends the woman a complete assortment
of

of necessaries for dress: also to the mother, a piece of white cloth, and one of the same description to the washerwoman. He likewise sends seven *Kaddehs** of different sorts of eatables; and a *Taddeh*,† containing a branch of ripe *Plantains*,‡ with a variety of victuals; a box for *Beetlenut*;§ one for *Chunam*;§ a species of *Sciffars*,** to cut the Beetlenut; and the requisite quantity of *Chunam*.††

ALL those articles being sent to the house of the female, the parties already mentioned repair there. A large table is placed in the center of the room, covered over with a white cloth, called *Magool poroo-weh*; both extremities of the apartment are in like manner ornamented with cloth. The company, consisting of relations only, having entered, the young couple advance towards each other from opposite ends of the room; the female attended by a younger brother, whose deficiency is to be supplied by another relation beneath her in years. The man and woman having met in the center of the room; the brother, or relation, accompanying the woman, washes the right foot of the intended husband; and the latter puts a gold ring on a finger of the hand with which he is washed. Then the two uncles, or next nearest relations to the contracting parties, tie a thread round the little fingers of their right hands, thus uniting them; after which, the new married woman dresses herself in the clothes her husband had sent her.

THE father and mother of the bride make seven presents to the bridegroom, viz. an upper dress, called, by the *Singhalais*, *Jouan hettee*;‡‡ a bonnet;

* A load carried in the file of bangle, suspended to the extremities of a bamboo. *Magool Kadd* signifies, the burthens (viands) for the feast.

† *Geeramool* signifies, principal or of chief note: and *Taddeh*, a burthen carried by two or four.

‡ *Keelken*. § *Boolat payeh*. § *Keeloté*. ** *Geeré*. †† *Hoonas*.

‡‡ The upper dress worn by the *Candians*, with puffed sleeves, reaching the elbow; the body part as far down as the navel.

net;* a ring;† a cloth to be worn below;‡ a fire-lock;|| 22 buttons for his drefs;§ a pin,** such as they use, with a small knife at one end, either of gold or silver.

EXTRACT FROM THE MAHA RAJA WAL-LIEH, A SINGHALAIS HISTORY.

CHAPTER VI.

To the right of the *Bogaha* tree†† lies a country called *Kalleengoo Rattehgooratteh*, where there reigned a King named KALLINGOO RAJE. He had a daughter, whom he gave in marriage to the Emperor of *Waggooratteh*, stiled WAGGOO RAJE. The Empress, his wife, being brought to bed of a daughter, he called together the astrologers, to calculate her destiny: and it was decreed by them, that however careful the Emperor might be of her safety, this daughter, when arrived at maturity, would be taken away from him by a Lion.

THE Emperor, alarmed at the intelligence, hastened to secure the Princess by every possible means. He placed about her person numberless servants; and, for greater safety, caused her to be bred up in an apartment surrounded by guards.

IT

* *Toppich*. This word, I imagine, they borrowed from the Portuguese.

† *Moodehirrooweh*. ‡ *Gindangehtoopotich*. || *Tooakooweh*.

§ *Bottams*. ** *Oolkatoopihieh*.

†† This is the tree the *Siamese* call *Prasi Maha Pout*: it is held alike sacred by them and the *Singhalais*. The latter term it, by way of excellence, *Sree Maha Boden Wahangse*. It was against this tree that BHOODDHA leaned, when he first took upon himself his divine character. A branch of the original tree is said to have been brought to *Ceylon* in a miraculous manner, and planted at *Annooradhepooreh Noowereh*; where to this day a tree of that description is worshipped, and thought to possess extraordinary virtues. The *Bogaha*, or tree of BHOODDHA, is that, I think, called in the Hindoostan, the *Peepul*, (*Ficus Religiosa*), a species of banian, with heart-like and pointed leaf. The *Singhalais*, when describing the different countries they pretend to a knowledge of, make this tree the central point, and determine the position of the place by its relative situation.

IT happened, one night, that this Princess took the opportunity of her attendants sleeping, to evade their vigilance, and make her escape; which she did by opening the door of her apartment, and getting out on the terrace: from thence she jumped into the street. This street being a place of general resort for merchants, she chanced to fall in with some persons of that description, who were just setting out for a distant country, and joined them. Having reached the land of *Ladeh Desch*, in their passage through a thick wood, a Lion darted out, and caused all to run off, except the Princess, who felt herself unable to move. She was seized by the Lion, who carried her to the furthest extremity of the wood; where he lived with her till she produced two children; the first a son, and then a daughter.

WHEN those children had acquired the age of reason, they used frequently to consider among themselves, how it came to pass that their father differed so widely in features from their mother and them, and at length addressed their mother on the subject. She informed them, that their father was a Lion; and on being again asked whence it came that they had a Lion for father, she replied, by making them acquainted with the whole of her story, which the son had no sooner heard, than he began to consider on the means of escaping from this place, with his mother and sister. Occupied with this idea, he one day followed his father, to observe where he went, and for what purpose: he saw that he made very considerable bounds, and travelled upwards of 150 leagues; the next time, therefore, that his father set out on a like excursion, he carried away his mother and sister. They fled towards the country of his mother, where her brother reigned, having succeeded his father, and on their arrival, were received by the King with every demonstration of joy.

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THE Lion, at his return home, was extremely afflicted at the loss of his wife and children, and shortly after became furious. Having scented out the track they had taken, he soon arrived in the neighbourhood of the place where they resided, and began by attacking and killing every person he met with. The inhabitants assembled, and carried their complaints to the King, of a Lion that infested the country, and put all to death that came in his way. The King, in consequence of this representation, ordered a number of people to be sent out in pursuit of the Lion: but their efforts were of no avail: his tremendous roar instilled dismay into all who attempted to approach him; and such as he was able to lay hold of, he instantly killed.

THE King then declared publicly his determination to share his kingdom and treasures with the person who would put this Lion to death; upon which the very son of the Lion avowed himself a candidate for the reward, and pledged himself to kill him. Taking with him his bow and arrows, he repaired to the place where the Lion was; and the moment he perceived him, let fly an arrow that pierced his right fore leg: but the Lion hearing *then* the voice of his son, was insensible of pain. A second arrow entering the left leg, worked up his rage, and he was about to vent it, when a third arrow passed through his head, and brought him to the ground. In falling, he called out, "Ah, my son!" and desired him to approach, which the son doing, he placed his head on his knees, and during his last groans, uttered expressions fraught with tenderness for his wife and daughter, to whom he charged his son to convey them: he then expired,

THE son cut off his head; and taking it with him to the palace, presented it to the King; who, according to promise, shared his kingdom and treasure with him.

IN a part of the country that came to his share, lay that of *Ladeh Defeh*; where his mother had formerly been taken off by the Lion. Here he built a magnificent palace, and afterwards gave to the whole of his possessions, the name of *Singhéba Noowereh*; and having become King, he took the name of SINGHE'BA* RAJAROOWO, and gave to his sister, whom he married, that of SINGHE' WALLEE COMMAREE.

THIS Queen had issue sixteen times, at each of which she brought forth two sons. Her first came into the world under the planet *Mooweh Sreefeh Nékéteh*; the hour of his birth was termed *Gooroogeh Horaweh*, and he received the name of VIJEE SINGHE'BA COMMAROO. The same day were also born 700 male children in the kingdom of *Singhéba Noowereh*. These 700 children, when arrived at manhood, became the constant companions of VIJEE SINGHE'BA COMMAROO; and in concert with him, were the source of much disturbance in the country. The inhabitants united in complaining to the King of the improper conduct of his son; which led to the disgrace of the young Prince; and so irritated his father, that he ordered him to leave his dominions.

VIJEE SINGHE'BA COMMAROO called together his 700 companions, and having explained to them his father's injunctions, they unanimously agreed to follow his fortune to some distant land. They accordingly all put to sea, in a vessel which the King permitted to be got ready for the occasion.

AFTER having been at sea a considerable time, they at length discovered the high land of Ceylon, called *Sammanalleh Sree Padé*,† and concluding

* *Singhéba* means Lion tailed; *Singhalai*, Lion raced; the termination *lai*, being the *Singhalais* for blood.

† *Adam's Peak*.

g, that beneath there must be an extensive and fertile plain, it was determined to steer for it. They shortly after came to an anchor, and landed at a place which they gave the name of *Tammeneh Totteh*.^{*} There they found a tree, called *Noogeh gahá*, under which they sheltered and rested themselves.

BEFORE the birth of BHOODDHA, the island of *Ceylon* was known by the name of *Sree Lánkaweh*. In former times there was a mighty war in this island, named *Rawena Jooddé*; after which it continued void of population for a term of 1845 years; being entirely overrun by malignant Spirits. BHOODDHA was then born; and, in due time, took on himself his holy character. He resided in the Empire of *RAJA GAHA OWEREH*, near to the temple called *Wéloo Wama méé*. From thence he observed, with concern, that so fine a country should be a prey to evil Spirits and Demons; and determined on expelling them from it. He arrived in the island, for that purpose, on a Friday (*Braháspotinda*) in the month of January (*Poroptoo*) when the planet *Roffée Nekéteh* presided; and took up his residence at a place called *Mayanincee*.

Here follows an account of the holy labours of BHOODDHA, during the three visits he is supposed to have paid *Ceylon*; whereby he almost totally extirpated, or banished to distant countries, the evil genii's that had infested the island. I have said *almost*, as it appears *VIJEE SINGHE'BA* first married a female Demon, through whose means he was able to overcome the few that remained in *Ceylon*, after their first great overthrow by BHOODDHA. I add the following particulars of his last visit.

OL. VII.

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BHOODDHA

^{*} Now called *Mentott*, near *Mánaar*.

BHOODDHA returned for the third time to *Ceylon*, fifteen years after his first visit. He arrived on the day of the full moon of *Effêleh*, (July,) when the planet *Ootra Saleh Nekketing* presided. He visited sixteen different places in a *Garda*, (minute,) placed his foot on the *Sammanelleh Sree Padé*, and from thence ascended to Heaven, where he instructed the angels and apostles, and told them that his doctrines, or law, would exist in the world for 5500* years: and as the doctrines of three other BHOODDHAS had prevailed in *Ceylon* previous to its being overrun by evil Spirits, therefore was it that his was to be then promulgated there.

BHOODDHA afterwards addressed himself to SEK-KEREH DEVEE ENDRYA, saying, "I cede unto you the island of *Ceylon*. A Prince of the name of VIJEE SINGHE'BA COMMAROO will arrive there, with 700 followers," and giving him a thread and some blessed water, he added, "You will sprinkle all those people with this water, and tie the thread round the Prince's neck." He then called for an apostle named MIHENDOO TERROONASSE'E, and said to him, "You will establish my law in the island of *Ceylon*."

VIJEE SINGHE'BA, by means of the thread which BHOODDHA had ordered to be tied round his neck, is said to have accomplished extraordinary deeds during the first days of his arrival; and afterwards to have been thereby enabled to transform into a rock, the female Demon, COWE'NEE JACKINEE, then his wife; that he might marry the Princess he had solicited for his Queen from the King of *Pandoorwas rattch*,† and who had then arrived with
700

* 5000 is the period mentioned in every other document I have seen on the subject.

† Said to be on the Coast of Coromandel.

700 female followers, who became the wives of the 700 men that had accompanied the Prince to *Ceylon*.

VIJEE SINGHE'BA COMMAROO, after his marriage with the daughter of the King of *Pandoowas ratteh*, was crowned by the name of VIJEE SINGHE'BA RAJA Roowo; and gave to his kingdom the name of *Tammenam noowereh*. This was the first establishment in *Ceylon*, after the period formerly mentioned of 1845 years, during which it is said to have been overrun by Demons, &c.

DEWENEETISSEH RAJA is the first King of *Ceylon* who embraced the religion of BHOODDHA. Being fully instructed and versed in the law, he received the baptism of BHOODDHA, called *Saraneh Sieleh*, in the presence of the apostle MIHENDOO.

DEWENEETISSEH RAJA was the ninth King, after VIJEE RAJA. The arrival of the latter in *Ceylon* is mentioned in many authorities to have happened seven days after the ascension of BHOODDHA. However, others will have it, the Dutch particularly, that the event took place 350 years after the birth of our Saviour; and another class, Christian Natives on *Ceylon*, that VIJEE RAJA was crowned seventy-seven years after the birth of our Saviour. It would be vain to attempt reconciling those various opinions; nor, indeed, can it be attempted, but through the medium of their respective authorities, with a knowledge of the language of each. Those concerning BHOODDHA are, I imagine, the only records that can be sought after with any probability of real advantage to general Chronology: but still it is to be questioned,

tioned, how far this BHOODDHA is the one of the Hindoos. The *Singhalais* have two æras: one, that already described of BHOODDHA; the other, the SOKKEH, or SAKERAJEH WAROOSEH, which dates from a period of 623 years after the ascension of BHOODDHA; the last æra stands now at 1718. In all public papers that come from the Court of *Candia*, it is usually observed, that both are inserted. The *Sakeh Waroofeh* alludes to a date, at which there raged a famine in the island of *Ceylon*. This the writers of that time attributed to the impiety of the Emperor KOODA WALLEH GAMBA RAJA ROOWO, whose neglect of the religion of BHOODDHA, is related in the *Maha Raja Wallich*. A like event is said to have taken place about the same time on the continent of India, owing to the murder of a Brahmin, by a King named SAGEL NOWEREH RAJA.

LEAWAWA, situated on the east side of *Ceylon*, formerly, and for a very considerable period, furnished a great part of the *Candian* dominions with salt; nor were any attempts, either of the Portuguese or Dutch, to attack the *Candians* in this quarter, ever seconded by the inhabitants; who almost on every other occasion evinced a general want of loyalty and patriotism. This fidelity, on the part of the inhabitants, has been owing entirely to the veneration and dread they entertain for the God of KADDEA GAMMA, whose temple is situated near to LEAWAWA.

THIS God is called by the *Singhalais*, KANDEKOO-MAREYO; said to have six heads, twelve hands, &c. &c. and to hold a variety of instruments, which are particularly described. He is represented both in a standing posture, and mounted on a peacock, in the act of flying.—It is said that BHOODDHA, happening to be for a few minutes in the Pagoda of *Kaddergama*,

KANDE KOOMAREYO threw himself at his feet, and obtained from him extraordinary powers; which, among other things, enable him to cure all diseases, particularly those of the blood royal, and to perform various other miracles. BHOODDHA, at the same time, enjoined that he should not receive divine honors; and those which are now offered up at his temple, have been introduced by degrees, with the veneration originally decreed him. There is a temple built to him in the capital of the *Candian* dominions, but it is considered as very inferior to that abovementioned. This has a variety of civil officers, but no priests, belonging to it. There is one great festival here in the year, which takes place on the day of the new moon in July: it concludes after a grand procession, (during which some miraculous circumstances are supposed to have taken place,) with a variety of rich presents; a certain part of which are sent to the King of *Candia*. I shall particularly detail this ceremony on a future occasion. It may prove curious to mention, that BHOODDHISTS, Musselmans, Brahmins, and Hindoos, of every description, attend this temple on all public occasions. The head officers are stiled, *Mahabitmeh ralehammee*, *Koodabitmeh ralehammee*, and *Bafnaikeh ralehammee*. Then follow *Maha Kapooraleh*, and *Koodah Kapooraleh*.

SOME learned Hindoos, whom I lately met on *Ceylon*, from their superior respect for KANDE KOOMAREYO, expressed themselves highly indignant at the above ceremonies, but more particularly at the inferior character the God is supposed by the BHOODDHISTS to possess. This temple, they added, was held by them as the favourite one belonging to this God, and was therefore annually visited by great numbers of Hindoos. Of KANDE KOOMAREYO, they gave me the following account.—“SCAND COOMAURA” (according to the Sanscrit, the proper way of writing the

name) “ is considered in the Hindoo mythology as
 “ the second Son of SEVA, and said to have sprung
 “ from an assemblage of rays, emitted from his divine
 “ eyes; when, though immaterial and immortal, for
 “ the purpose of blessing the heavenly hosts, he ap-
 “ peared under a visible or corporeal figure, on the
 “ summit of his Paradise, and Silver Mountain, called
 “ *Kylaufum*. SEVA was brought by angels to create
 “ this Son out of his divine rays, in consequence of
 “ their cousins, three *Affooras*, or giants, named Soo-
 “ RAPADMA, TARAHNA, and SIMHA VAKTRA, having
 “ imprisoned a vast number of angels in their cities,
 “ situated in the midst of oceans. Those *Affooras* had,
 “ by mortification and sacrifice, so pleased SEVA with
 “ their faith and confidence in him, that they obtained
 “ unusual blessings, and were invested with the power
 “ of governing the 1008 *Bramhaundas*,* or *Macro-*
 “ *cosms*, each containing an assemblage of 14 regions,
 “ celestial and terrestrial. They were likewise blessed
 “ with a wishing chariot, called *Indra yannam*, by the
 “ extraordinary virtues of which, they were enabled
 “ to survey the universe in one day. In order then
 “ to destroy the above tyrannic giants, sprung forth
 “ rays from the luminous eyes of SEVA, which rays
 “ assumed a form of six heads and twelve hands.
 “ SCANDA, or SCANDU COMAURA, signifies a child
 “ born of rays, emitted, or sprung forth, from the
 “ Supreme Being.”

“ HE bears numerous names; such as SOOBRAM-
 “ HANYA, GOOHA COOMAURA, &c. &c. owing to
 “ several miraculous offices performed by him. He,
 “ by order of SEVA, made an expedition against the
 “ cities of the abovementioned great giants; and hav-
 “ ing warred successfully against them, extirpated the
 “ whole race. In a word, the eldest of the giants, hav-
 “ ing lost his monstrous figure, divided himself into
 “ two

* *Bramhaunda* means literally, the great egg, but is synonymous to
macrocosm, or great world or globe.

“two parts, under two different shapes; the Peacock,
 “and the Fowl: the former served SCANDA CUO-
 “MAURA to ride on; the latter, as his standard: hence
 “these two birds are sacred to him. At his return
 “from the kingdoms of giants, VISHNOO, and other
 “Deities that accompanied SCANDA COOMAUURA, in-
 “treated him to halt on the summit of a mountain,
 “where they then placed a gemmed throne, on which
 “he sat, and touched the ground with the sole of one
 “of his divine feet. Hence that mountain became
 “holy, bearing the name of CADEER CAUMAM, which
 “literally signifies a mountain radiant in beams and
 “gems, then found in the fountain there.”

HAVING always conceived, from what I had an
 opportunity of reading and hearing, that BHOODDHA
 was one of the nine *Avataurs*, and that, notwith-
 standing his having contradicted, in his doctrines,
 some of the most essential points in the divine autho-
 rities of the Hindoos, his praises were nevertheless
 sung by some of the first order of Brahmins; I stood
 forth in asserting his dignity to the persons above-
 mentioned; when I was informed, that he was not in-
 cluded in the nine *Avataurs*. They were as follows: *VARANHA*, *NAURASINHA*, *COORMA*, *MATSYA*, *VAU-*
MANA, *PARASOO-RAAMA*, *DASARADHA-RAAMA*, *BALA-*
RAAMA, and *KRISHNA*. The incarnation of BHOOD-
 DHA, it was added, arose in the following circum-
 stances: “In former ages there were three giants,
 named “*Trepooras*, (so entitled from their cities of
 “iron, brass, and gold, which cities had wings, and
 “were ambulatory,) who were votaries to SEVA, and
 “continued to adore his sacred emblem, *Lingum*, so
 “that they were invincible. They often oppressed
 “the Gods, who having besought VISHNOO, he as-
 “sumed a form under the title of BHOODDHA, who
 “entering the cities, wrought miracles, and preached
 “his seducing doctrine to the inhabitants, who em-

“ braced his religion, and became in every respect
“ his proselytes. By this stratagem the *Trepooras* fell
“ into the hands of BHOODDHA, and were destroyed
“ by SEVA. (These particulars are said to be contained in *Scanda poorana*.) Hence BHOODDHA is
“ considered as the promulgator of an heterodox religion. The adherents to BHOODDHA are looked upon as infidels; and their religion, though commendable with respect to morality, yet is reckoned
“ as one of the 339 sects, or branches, of the well-known heresy, or rather schism, among the Hindoos.”

III.

NARRATIVE OF A ROUTE

FROM

CHUNARGHUR TO YERTNAGOODUM,

IN THE

ELLORE CIRCAR.

BY CAPTAIN J. T. BLUNT.

THE Government having, in the year 1794, determined to employ me in exploring a route through that part of India which lies between *Berar*, *Orissa*, and the northern *Circars*, some months necessarily elapsed before the requisite *Purwannahs*, from the *Nagpour* Government, could be obtained; when, at length, after receiving my instructions, and a party of a *Jamadar* and thirty *Sepoys* had been ordered to escort me, I commenced this expedition.

ON the 28th of January, 1795, I left *Chunarghur*, and directing my course a little to the westward, ascended the hills at *Jurna gaut*; where I entered upon a kind of table land, on which there appeared but little cultivation, and the few villages that occurred were poor. We crossed the little river *Jurgo*, which falls into the *Ganges* at a short distance to the eastward of *Chunarghur*. and then entered a thick forest, which continued as far as *Sutlasghur*. At this place there is a barrier for the defence of a pass through the hills, which consists of a rampart with round towers at intervals. The wall, besides including an angle at the bottom of the hills, is continued to the summit of them, on the south side, where it terminates among rocks and bushes. The west end of the works is terminated by a rocky precipice, and by the bed of the *Jurgo*, which has here been considerably deepened by the torrents. *Sutlasghur* is the head of a *Purgun-*
nah

nah bearing the same name. Its fortifications were erected by a *Rajah* called Suckut Sing, about four centuries and a half ago.

ON the 29th, our road led through the town and works of *Sutafghur*, beyond which we ascended a steep and rocky pass, called *Barrak Gaut*. When arrived at the top of it, I found the hills covered with a thick forest. On my right hand, for more than a mile, the *Jurgo* continued its course, nearly parallel to the road. There is a considerable fall in it, called by the natives, *Seedanaut Furna*, from which the source of the river cannot be far distant; but the fall is only in action during the rainy season. Our road now lay through woods, and rocky defiles, until we approached to *Rajeghur*, where our journey for this day terminated. Near this place were several smaller villages, but few signs of cultivation; and the general appearance of the country seemed to prognosticate a very wild region before us. There were no hills in sight, but we were on very elevated land; for we had ascended at least 300 yards, without meeting with any considerable descent. Nothing worthy of remark presented itself at this village, but the ruins of an old fort, which had been built by a *Zemeendar*, who proving refractory in the days of BULWANT SING,* it had been in consequence destroyed.

JAN. 30th. MY journey continued about nine miles to a little village called *Newary Pindarya*, and, as yesterday, through a thick forest. We encamped at a tank and grove of *Mowah* trees, where abundance of game appeared in every direction around us; and the devastation which was visible in the crops, evidently shewed how much the peasants had suffered from the incursions of numerous herds of wild beasts from the neighbouring thickets.

JAN.

* *Bulwant Sing* was the father of *Cheyte Sing*, the late *Rajah* of *Benares*.

JAN. 31st. AFTER leaving *Rajeghur*, we crossed the *Boker* river, which divides the country called *Chundail* from the *Purgunnah* of *Sutafghur*. The same wild country continued, although the soil was somewhat less rocky. For the last two days the hoar frost had been so sharp as to blight the leaves on the trees, and had very much injured the crops. Low hills now appeared to the southward in even ridges.

FEB. 1st. A march of ten miles brought us this day to *Bilwanya*, a poor straggling village, consisting of about forty huts. No supplies of grain of any kind were to be had here; and although we had passed a considerable tract of cultivated country, I was told it would be the last we should meet with for some time. The latter part of the road had dwindled to a mere foot path; and I was informed, that we could expect nothing but the wildest and most desolate regions for a considerable distance.

THE natives of this country call themselves *Chundails*, and are a tribe of *Rajepoots*. The present *Rajah*, whose name is FUTTEH BAHADUR, resides at *Rajepour*, about ten coss west of *Bidjyghur*. The country, I was informed, had become tributary to the *Rajahs* of *Benares* in the days of BULWANT SING, who made a conquest of it from SUCDUST NARAIN, the great grandfather of the present *Rajah* of *Chundail*.

IT had been with difficulty that we procured provisions for the last two days; but, notwithstanding our supplies had been sparing, we got withal to satisfy us. This made me seriously attend to the reports of the nature of the country through which my route was to be continued; and finding that no Bazar was to be met with, nor even supplies of grain, in
any

any way, until we should arrive at *Shawpour*, the *Singrowla Rajah's* capital, it imposed on me the necessity of collecting, and carrying an adequate quantity; in order that the want of food should not increase the difficulties which might occur in exploring a desolate and mountainous wilderness.

FEB. 2d. OUR tract this day was in a defile of thick bushes, and the ground was level for the first two miles; when the country became uneven, and more rugged, as we went on; until we reached the summit of a very large acclivity, called *Kimoor-gaut*. The descent from this was so craggy and steep, as to be barely passable for our cattle. With much difficulty the party got down, and proceeded through defiles among small rocky hills, and thick woods, as far as the little village of *Selpy*, consisting only of four poor huts, situated on the north bank of the river *Soane*. To the westward of *Kimoor-gaut*, there was a peaked hill considerably elevated, which presenting a favourable situation for viewing the country, and the course of the river *Soane*, I inquired of a *Cole* villager if there was any path to ascend it; he informed me there was, and directed me with three or four of my attendants in the ascent. After an hour's hard labour, in climbing over rocks, and forcing our way through the thickets, we reached the summit of the hill; when our toil was abundantly compensated by a most romantic view of the river meandering through extensive wilds; the sun just rising, and lighting up the woods with his rays; and the beautiful tints reflected by the water, considerably added to the splendour of the scenery.

ON surveying the spot where we stood, I observed three large rocks, with a kind of cell within them, and a cavity in front, that was filled with water, accumulated from the dew that had fallen from the trees
which

which hung over it. Upon enquiring of our guide concerning the place, I found that the fanciful notions of the *Hindoos* had made it the abode of RAM, LITCHMUN, and SEETA,* who, in their travels, were said to have rested in this place for a night; and the *Cole* observed to me, that the water I perceived in the hollow of the rock, was the same they had bathed their feet in. My curiosity being satisfied, we descended from the hill, and resumed our journey, which terminated this day on the south bank of the *Soane*, at a little village called *Corary*, consisting only of two huts, and five inhabitants of the *Cole* tribe. The bed of the river was about half a mile wide, and full of quick sands; but the stream was not more than a hundred yards broad, and flowed rapidly, with about three feet water in the deepest part. Many impressions of the feet of wild beasts were here visible.

BEING this day at a loss for a place to encamp in, and not wishing to injure the *Coles* by encamping on the little spots, which, with much care and toil, they had cleared and cultivated, we took up our abode, for the remainder of the day and night, in the jungle. We found here the remains of two *Hindoo* temples, which had been dedicated to *Bhavany*, with many figures; but time had almost consumed the buildings, and had so wasted the images, that the attribute of each was scarcely discernible.

FEB. 3d. The road continued between two ranges of small hills, and through a forest, consisting of *Saut* trees, *Seetsal*, and *Bamboos*. The *Mowah* tree was here and there seen, and rarely the *Burr* and *Peepul*; but the stems of all the large trees were choaked with underwood. We arrived this day at *Aumrye*, a village consisting of about fifteen huts; and I was informed, that it was the last abode of men I should meet with for some distance. A part of the *Burdy Rajah's*

* Hindoo Deities.

Rajah's country is near this place, intermixed with the Company's Territory;* and the *Purgunnah* of *Agowry* projects here so as to include the village of *Aumrye*. We encamped near the old site of the village, in which we saw the remains of an aqueduct, that had formerly conveyed water, from a fall in an adjoining rivulet, to the village; but was now covered with long grass and bushes.

FEB. 5th. Having halted the preceding day at *Aumrye*, we continued our route through a wilderness, continually ascending and descending over little hills. The frost, which had now continued six days, having blighted the leaves on the trees, my camels were consequently distressed for forage, and there was nothing to offer the cattle, but a kind of long grass,† which being rank, they ate but sparingly of it. Our march this day terminated at *Dar Nulla*, a rivulet of clear water, and we encamped in the jungle. I had observed, in the course of the journey, several *Saul* trees, which the hill people had tapped for the resin they contain. A tribe, called *Karwars*, are said to inhabit these hills. They had shifted the site of the village of *Darr*, about two miles to the eastward, for retirement. I was likewise informed of two iron mines which are situated about two *cos* to the eastward of this place.

FEB. 6th. After proceeding about three miles through a thick forest, we crossed the *Joogamahall* Hills; the ascents and descents over which were frequent and rugged. We encamped this day on the banks of the *Guttaun*, which was the largest river I had met with since crossing the *Soane*. The bed of it was full of the finest blue and red slate; and a stream perfectly

* To those who are conversant with Indian Geography, or have ever inspected a map in which the boundaries are particularly laid down between the territories of the several powers, this will not appear extraordinary.

† This grass appeared to be of the same kind which I had seen in the *Myfore* country; it has a strong aromatic smell, is somewhat prickly, and grows very tall.

perfectly transparent, flowing rapidly over it in unequal depths, had a pleasing and beautiful effect.

FEB. 7th. As we proceeded this day, we were frequently compelled to lop the jungle, to enable our cattle to pass, which occasioned much delay. The country was very hilly, consisting, for the most part, of separate hillocks, intersected by ravines; but we had the comfort of an open space to encamp in on the banks of the *Kungafs* river. At a short distance from our encampment, there was a little field cultivated with gram; and I was told that a village belonging to the *Karwars*, called *Udgegoor*, was situated only one *cos* distant to the eastward. While my tent was pitching, curiosity prompted me to visit it. I found it consisted only of six rude huts, which had been built in a recess of the hills. Three men with myself approached, with the utmost precaution, to prevent alarm; but on discovering us, the villagers instantly fled. I stopped to observe them, and perceived that they were almost naked. The women, assisted by the men, were carrying off their children, and running with speed to hide themselves in the woods. I then approached the huts, and found some gourds, that had been dried, for the purpose of holding water; a bow, with a few arrows, scattered upon the ground; and some fowls as wild as the people who had fled. After leaving their huts, I perceived a man upon a distant hill, and sent a *Cole* villager, who had accompanied us from *Aumrye*, to endeavour to appease his fears, and to persuade the people to return to their dwellings. The *Cole* expressed some alarm at going by himself; but, upon my assuring him of assistance, in case of his being attacked, he advanced a short distance, and hallooed to the man on the hill, who, after some time had been spent in parley, said the villagers would return to their huts on our quitting them. I immediately retired, leaving the *Cole* with instructions to inquire if any grain could be procured. He returned about noon, and

told me that, if I would send some cowries, it was probable we might get a little grain; but nothing else suitable to our wants. This I had provided for, and sent him again; when, after two hours, he returned accompanied by two of the villagers, who were almost naked, but were armed with bows and arrows, and a hatchet each. They brought with them about ten *seers* of *Chenna gram*.^{*} I presented them a piece of red cloth, with which they seemed well pleased; and, returning to their huts, they soon afterwards brought me a present of three fowls. One of these was of the reversed feather tribe; and my people immediately called it the *huffy moorghy*, or Caffre fowl. The panic which, on our arrival, the mountaineers had been impressed with, having now subsided, I asked the two men, if they would accompany us a part of our next day's journey. They appeared to be somewhat alarmed at the proposal, but consented.

FEB. 8th. We had proceeded about a mile when the two mountaineers joined us. Their delay had been occasioned by the cold; for having no clothes, and being abundantly supplied with fuel from the woods, they had sat round a fire during the night. They came armed, as on the preceding day, with bows and arrows, and a hatchet each; the latter of which they used with much dexterity in lopping the *jungle* for us. About two miles from the *Guttaun* river, we came to a very steep and rugged defile, called *Bildwarry Gaut*; but the road, after descending it, continued good as far as the *Bejool* river; on the south bank of which we encamped. We had passed in our track two little dwellings of the mountaineers, who, notwithstanding our efforts, united to those of the two men who accompanied us from the last village, to appease their alarm, had immediately fled.

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^{*} A kind of pulse with which horses are usually fed in Hindoostan. (*Cicer arietinum*, Lin.) The *seer* is a measure weighing about two pounds.

THE inhabitants of these hills acknowledge allegiance to a vassal of the *Burdy Rajah's*, who resides at *Budderry*, a village situated four coss west of *Ud-gegoor*. His name is *BUDHOO*; and he has a *Jagheer* of twelve villages, in consideration of his bringing to the assistance of the *Burdy Rajah* fifty men in time of warfare. The *Karwars* are divided into many sects, among which the following were named to me, viz. the *Pautbundies*, the *Teerwars*, the *Sesahars*, and *Durkwars*. There were no villages, and few inhabitants, in that space of country to the eastward, which lay between my track and the river *Soane*; but to the westward, a few villages were said to be situated, of which little account was made; for the inhabitants, who are fond of a roving life, are continually changing the places of their abode. The *Bejool* river rises in the districts of *Purrury* and *Gundwally*. In the former is a large town, bearing the same name, situated about twenty-five coss south-west of *Udgegoor*.

IN the course of my inquiries into the state of this wild country, my attention was occasionally directed to the language of the mountaineers, which induced me to collect a small specimen of it; but as the only method I had of acquiring this, was by pointing to the object of which I required the name, the following were the only words which, after much pains, I could collect:

ENGLISH.		KARWARS.
Food,	- - -	<i>Gopuckney,</i>
To sit down,	- - -	<i>Goburro,</i>
Salt,	- - -	<i>Minka,</i>
A Goat,	- - -	<i>Chargur,</i>
Fire,	- - -	<i>Uggundewtah,</i>
A Tiger,	- - -	<i>Kerona,</i>
A Hut,	- - -	<i>Mujjarah,</i>
VOL. VII.	E	ENGLISH.

ENGLISH.			KARWARS.
A Horse,	-	-	<i>Chekut,</i>
The Moon,	-	-	<i>Chadermah</i>
The Sun,	-	-	<i>Soorjundewtah.</i>

OUR provisions being nearly consumed, it was with much satisfaction that I understood our next day's journey would bring us to a village in the territory of the *Singrowla Rajah*; where, if the inhabitants did not abandon it, we should be abundantly supplied with grain.

FEB. 9th. We had not advanced far on our march, when we perceived the *Bickery Hills*, which were the largest I had seen since leaving *Kimoor-gaut*: I was informed that they extended to *Gyah*, and that *Bidjyghur** is visible from their summits on a clear day. After skirting along the east side of these hills for about five miles, we passed through them at a narrow defile, called *Bulgaut*, and then entered upon the *Singrowla Rajah's* territory. The country now opened into an extensive plain, though still wild, and uncultivated. We stopped at the village of *Oury*, the inhabitants of which are mountaineers. *ALLAHAD MHATOE*, a vassal to the *Singrowla Rajah*, was in charge of this place, and of the pass we had come through. It was not till four hours after our arrival, that we procured a supply of grain, although much courtesy had been used to obtain it; for the inhabitants having fled on our approach, it was with difficulty they could be prevailed on to return to their dwellings: this, however, they all did before night.

FEB. 10th. We proceeded in a plain, about ten miles wide, but covered with a forest, and very wild. As we drew near to the village of *Gursery*, the country

* A strong hill fort, situated about forty miles S. S. E. from *Chunarghur*.

country opened, and appeared cultivated: This village consisted of about fifty huts, and here we procured grain in abundance.

FEB. 11th. THIS day we arrived at *Shawpour*, where the *Rajah* of *Singrowla* resides. The first part of our road was through a level country, cultivated near the villages, but beyond half a mile from the road entirely waste. The last three miles were through a thick forest, in which were two or three narrow defiles, between high banks of earth, and fenced on each side with bamboos.

SHAWPOUR, the capital of *Singrowla*, is situated in a fine plain, amidst lofty ranges of hills. It is a large straggling town, with a little fort, built of rubble-stone and mud, to which, at this time, the *Rajah* was making some improvements. The *Rhair*, a considerable river, runs by the south side of the town. The stream, which is about one hundred yards wide, and four feet in depth, dashes with great rapidity over a bed of rock. Nothing but the rocks, indeed, prevent its being navigable for large boats. This river rises in the hills and forests of *Surgooja*, and after being joined by the *Bijool* and *Gutaun*, falls into the *Soane* near *Agowry*. The plain in which *Shawpour* is situated, is tolerably fertile, and only wants inhabitants, and a good government, to render it more productive. Iron abounds in *Singrowla*, the value being from eight *annas* to a *rupee* the *maund*,* according to the quality of the metal.

THE inhabitants of this town, alarmed at the sight of the English sepoy, whom they now beheld for the first time, had most of them fled on our arrival; and by night the *Rajah's* capital was almost deserted. When

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* The *maund* of Hindoostan is a weight of about eighty pounds.

the camp was pitched, I sent a messenger to the fort, with a letter which Mr. DUNCAN had kindly favoured me with, recommending me strongly to the *Rajah's* care. In about a quarter of an hour he returned, to inform me, that the *Rajah* was absent, being gone to *Ramghur*, to bring home the daughter of the *Chittra Rajah*, to whom he had been espoused. BULBUDDER SHAW, his uncle, then took charge of the letter, and dispatched it to his nephew, whose return was soon expected. Towards the evening a message was sent to me, requesting that I would not move from *Shaw-pour* until the *Rajah* should arrive; for that no steps could be taken to assist me until the *Rajah* himself should have arrived, and received from my own hand a *paun*,* as a pledge of amity. To this I answered, that I hoped the *Rajah's* return would not long be delayed, for that it would be very inconvenient to me to wait beyond two or three days.

FEB. 12th. This morning some matchlockmen came in from all quarters, and assembled in the fort, and I soon after learned that the *Rajah* was expected to arrive about noon. He had sent a message to BULBUDDER SHAW, to desire he would meet him, with all the people he could collect, near the entrance of the town; with a view, no doubt, to impress me with an idea of his consequence, by the number of his retinue. But the alarm which my arrival had created, had almost frustrated their intentions, and not more than fifty persons could be collected. About noon the sound of *tom-toms* announced the approach of RAJAH AJEET SING; and soon after, with my telescope, I beheld the whole cavalcade. The bridegroom, mounted on an elephant, was followed by the bride in a covered *dooly*; and about two hundred men carried the dowry he had received on his

* The custom of presenting *paun*, or *beetle*, is universal throughout Hindoostan. This ceremony, and that of the interchange of turbans, are considered as high pledges of friendship.

his marriage. The party had no sooner arrived at the fort, than it was made known to me that the *Rajah* intended to visit me that evening.

I HAD already, in consequence of the rapidity of the *Rajah's* return, and the number of men who had assembled in the fort, begun to entertain some suspicion of his being alarmed. His deportment shewed that this supposition was not unfounded; for he had no sooner entered my tent, and mutual salutations were over, than he earnestly solicited a *paun* from my hand, as a pledge of amity, and token of my good intentions towards him. Having presented him a *paun*, I immediately informed him that I had been deputed by the British Government on some business in the *Mahratta* country, and had accordingly taken my route through his country to *Ruttunpour*. He appeared on this to be relieved from a good deal of embarrassment. I next made some inquiry as to the journey he had just terminated, and congratulated him on the event of his marriage. Having represented to him that my business was urgent, and would admit of no delay, I told him that we were in want of provisions, and guides, for which I was ready to pay an equitable price; and that I looked up to him for every assistance he could render me, in prosecuting my journey through his territory to the *Corair Rajah's* frontier. To these requisitions he seemed to assent; and, after assuring me that every thing should be prepared for my departure in the course of the ensuing day, he took his leave, and returned to his dwelling.

FEB. 13th. THIS morning about nine o'clock AJEET SING came again to visit me. At the same time two of my *Hircarrahs* came, and reported to me, that no preparations were making to enable me to proceed on the following day; which being immediately communicated to the *Rajah*, and his people, a *Brahmen* was soon after introduced to me, by name SHALIKRAM,

who was the *Zemindar* of that part of *Singrowla* through which my route would lie. AJEET SING then informed me, that he had given him orders to accompany us to the frontier of *Corair*; and being upon good terms with the *Rajah* of that country, he had written to him, recommending me strongly to his care and attention. He added, that I need be under no apprehension about taking grain and guides from *Shawpour*, as SHALIKRAM would see that I should be abundantly supplied on the way, and would procure guides from the villages. This matter being adjusted, I was next made acquainted with all the little jealousies and disputes that subsisted between AJEET SING and all the neighbouring *Rajahs*, but which I declined having any concern with. The next subject of discourse was the nature of the country before us, and the difficulty of the road was represented to me as insurmountable; added to which, the Mahrattas being at variance with the *Rajah* of *Corair*, and the country consequently in confusion, I should be distressed both for guides and provisions. To this information I replied, that what he represented to me might be strictly true; but that the nature of my business was such, that I could not relinquish it before I had made every attempt to accomplish it; and finally, that it was my determination to depart from *Shawpour* the next day. Here the interview ended, and the *Rajah* took his leave.

FEB. 14th. IN the morning I departed, accompanied by SHALIKRAM, and we proceeded about six fars to the village of *Cuttoly*, near which we encamped, on the banks of the *Myar* river. The clear frosty weather had now left us, and the sky was overcast, and seemed to threaten rain. Towards the evening, SHALIKRAM, who had gone into the village, sent us about ten *seers* of grain, which were tendered for sale at an enormous price. Upon inquiring of him the reason of our not being better supplied, he made many frivolous excuses; but I then discovered that the real cause

cause originated with the *Rajah*, who being chagrined at my determination to proceed, and having expected, from the unfavourable description he had given me of the road and country, that I should have been induced to return to *Benares*, had resolved to cut off our supplies of grain.

FEB. 15th. WE proceeded to the village of *Deykah*, situated close under some very high hills. In its vicinity were several other villages; and the country, to a considerable extent, was in a high state of cultivation. I was much vexed to find that SHALIKRAM shewed a determined intention of carrying into effect the *Rajah's* designs; for, although the village was full of grain, the people would not sell us a particle. As my people were now becoming clamorous for want of food, I sent for SHALIKRAM, and told him, that it was my determination to have fifteen days provisions from the village before I left it. He appeared to be somewhat perplexed at this; but knowing that he had driven away the inhabitants from the village, he yet conceived that I would not venture to touch the property in it during the absence of the proprietors, and without their consent. But to be starved in a land of plenty, by his shallow devices, would have been absurd in the extreme; so I took him with a party of my people to the village, and went directly to a large hut, which was pointed out to me as a granary, but which he declared contained no grain. On opening the door, we perceived many large jars of unbaked earth, the mouths of which being closed, we could not see what they contained, until the pressing appetite of a hungry sepoy urged him to break one of the jars with the butt end of his musket; when immediately a quantity of the finest rice tumbled out upon our feet. The discovery of so palpable a cheat fully convinced me of the *Rajah's* evil intentions, and that no further reliance was to be put in SHALIKRAM. Finding now some weights and scales in the hut, we proceeded without further delay to weigh fifty *maunds* of

rice and *gram*, equal to about ten days consumption for which I paid SHALIKRAM at the rate of twenty *seers* the rupee, which was sixty per cent. dearer we had paid for grain at *Shawpour*. He received money in the most sullen manner, apparently discontented at the discovery we had made.

FEB. 16th. It was necessary to halt this day in order to divide and pack the grain, as well as to devise the means of carrying it. While my people were thus employed, I discovered that some *Hindoo* temples, called *Rowanmarra*, of great antiquity, and found in the solid rock, were at no great distance.* But the weather proving rainy, I was obliged to defer my journey to this place until the afternoon; when I set out, proceeding about half a mile through a thick forest, I arrived at the village of *Marra*, near to which is a small rocky hill, covered with many little temples dedicated to MAHADEO. I continued to force my way through the jungle, for about a mile and a half, to a little recess at the foot of the hills; where, after clambering to a considerable height, I discovered a *Hindoo* temple, formed in the side of a rock, the top of which was 50 feet by 45, and $15\frac{1}{2}$ in height. The shafts of the pillars were very much diminished, as if attempts had been made to destroy them. The only *Mooruts* (images) which I could distinguish were RAWUN,† with twenty arms, a spear in one of his left hands, surrounded by all his warriors and attendants, whose contest with RAMA is detailed in the *Mahabarat*. Opposite to him was the consort of RAMA, whose leading name in this part of India is BHAKTI, and upon her right hand stood GANEISH, the *E*

* These temples appeared to answer to the description of a place mentioned to me as worthy of my attention, and which they distinguish by the name of *Gupt Cachi*. I cannot, however, pretend to decide whether it was the same place.

† *Hindoo* Deity.

God of Wisdom, whose elephant's head, the symbol of sagacity, we could not fail of discerning. In the interior part of the temple was a cell, evidently set apart for MAHADEO; but the *lingam* was not there, although the place where it had formerly stood was visible. Other cells on each side appeared, which seemed to be the abodes of numerous bats. To the north-west of this temple is another of less dimensions, and between the two is a cell, which had been evidently intended for the residence of a *fakier*. On the way from the village of *Marra*, I crossed a spring that issues from the neighbouring hills, and, my guide informed me, flows all the year,

HAVING taken a sketch of this very curious place, I departed in search of another, called *Beyer-marra*, nearer to *Deykah*, and situated on the north side of the rock and village of *Marra*. The access to it lay between two very high hills; and it was with infinite labour that we clambered over the rocks, and forced our way through the jungle that led to it. We had no sooner arrived within sight of the place, than our guide advised us to proceed with caution, for it was oftentimes the abode of bears, and wild hogs: we did not, however, meet with any. This temple is cut out of the solid rock in the side of a hill, and consists of two stories, divided into many small cells. We saw here no images; but there was a *Kulfa*, or kind of altar, upon which I was informed the Hindoos made their offerings to the Deity when married. It appeared to be very aged, for the external parts of it were much wasted. This place was so full of earth, and overgrown with bushes, that it was with difficulty we crept in; and I was disappointed in every attempt I made to discover any writing or inscription. Some of the pillars had been sculptured; and I could perceive on one of them the appearance of two birds uniting their bills, over something which I could not well make out; but it was of a circular form,

THE measurements, and a sketch, which I took of this place, employed me till near the close of the day; when we directed our way back to camp, where I arrived about seven o'clock in the evening, much fatigued with the occupations of the day. But I had barely rested myself a little, and sat down to my dinner, when a man, who had gone a little way into the jungle, came running to me, and reported, that he had discovered a body of armed men in a ravine within fifty yards of our camp. That upon his inquiring of them the cause of their being there, he had been ordered in a very preptory manner to depart, and had thought it expedient to report the circumstance to me with as little delay as possible. Having finished my meal, I ordered the tents to be removed, from the skirts of the jungle, to an open situation; and sending then for SHALIKRAM, I demanded of him the cause of the armed men being assembled, and who they were. He told me they were the advanced guard of *Bulbudder Shaw's* army, which had left *Shawpour*, the day after us, upon an expedition to plunder some villages contiguous to the *Rajah's* eastern frontier. I observed to him, that their being posted so near us had a very mysterious appearance; and told him, that if I observed them approach any nearer during the night, I should not hesitate to attack them. He desired me to rest perfectly satisfied that they would remain quiet in their present situation, and departed apparently with the intention of giving them a caution on that head.

AFTER the duplicity the *Rajah* had shewn in endeavouring to impede my progress, I conceived that any thing SHALIKRAM might say, or do, could not be relied on; and by the intelligence I gained from an *Hirkarah*, whom I had sent disguised to watch the motions of the armed party in the ravine, I had every reason to believe that it was their intention to attack me on the first favourable opportunity. We lay down, therefore,
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under arms, with our baggage packed; but nothing occurred to disturb us during the night.

FEB. 17th. We proceeded this day to the village of *Derry*. The forest during the march was so thick, that it was necessary to cut it, to let the cattle pass through. We found, however, a clear spot to encamp in near the village, which consisted only of about twenty poor huts, and, with the exception of a blind old man, who was the first of the *Goand* mountaineers I met with, was quite desolate. The inhabitants had all fled into the hills and wilds; having first thrown their property, consisting of a good deal of dry grain, and some cotton, into a ravine. I would not allow any of my people to touch it, nor to go into the village; having some hopes that the proprietors might be induced to return. But in this expectation I was disappointed; for, with the exception of two huge black bears, whose uncouth dalliance upon an adjoining rock might have forced a smile from the gravest countenance, I saw no living creature at this place during the remainder of the day.

SHALIKRAM, who arrived about noon, brought intelligence, that *Bulbudder Shaw* was encamped at *Moory*; and that it was his intention to attack and plunder some villages on the ensuing night. Upon interrogating him as to the nature of my next day's journey, he informed me, that I should quit the territory of the *Singrowla Rajah*, and enter upon *Corair*. He advised me to examine the gauts which divide the two countries; for the mountains being very high, and the ascent over them exceedingly difficult, he apprehended they might prove impassable for our cattle. Upon urging him to give a more explicit account of the passes, I found that one would be easier of ascent than the rest, although the road to it was more circuitous. SHALIKRAM now requested his dismissal,
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and said, that, as I should quit the *Rajah's* territory the ensuing day, I should have no further occasion for his services. Having then delivered to me two men as guides, to direct me to the gauts, he took his leave and departed.

As any delay in my present situation might be attended with inconvenience, I resolved to visit the nearest gaut of *Punkyputter*, this evening, with a view to ascertain if it was passable for the cattle. Setting out accordingly at three P. M. I crossed the *Myar* river four times, and leaving it, with a very lofty rock, called *Lilcauntdeo*, on my right hand, I entered the gaut, where, after ascending over six ranges of hills, and crossing the beds of several torrents, I saw enough to convince me that it would be impassable for my cattle. The bed of the *Myar* river is very rocky, and unequal in its depth of water, which in some places, from the descent being very abrupt, is seen dashing over the rocks; and as the friction occasioned by the rapidity of the stream makes them very slippery, the passage of the river, though not more than twenty yards wide, is very dangerous. This gaut is at least eight miles from *Derry*. Fine *Saul* timber is produced in these forests; and I observed some *Mowa* trees of very large growth, and abundance of bamboos. The hills abound with very plentiful springs of the clearest water. On my return I met a tiger, and saw numerous impressions of tigers' feet. It was nearly dark by the time I reached my tent, and I went to rest with the intention of going round in the morning to the other gaut.

FEB. 19. WE set off at the dawn of day, and, after proceeding about six miles through a very thick jungle, arrived at the village of *Jeerah*, from which the *Goands* had fled, and taken refuge upon the hills to the northward of the village. By looking with attention, I could discern them among the rocks and bushes; but all our endeavours to procure any

any communication with them were ineffectual; for when we attempted to approach them, they immediately retired further into the wilds. After leaving *Jeerah*, we soon came to the foot of *Heyte Gaut*, where the sound of human voices apprized us that travellers were near. The sound increasing as we advanced, we soon after met two men, who were conducting a loaded bullock down the *gaut*. As I was here considering by what method we should get the cattle up a very steep place, and looking around for a more accessible part, I perceived a *Goosaign* contemplating, with trembling solicitude, a poor bullock that had fallen down the steep, and which appeared to be too much hurt to be able to proceed any further. I made my people assist in taking off the load, and then interrogated the *Goosaign*, as to the nature of the country above the *gaut*. He said the natives were mountaineers, and at all times very shy; but that the depredations of the *Mahrattas* had compelled them mostly to abandon their villages: that in the village above the *gaut*, I should find a few inhabitants; and he would send a man, who had accompanied him from thence, to guide us to it, and who would desire the people to be under no alarm at our approach. He further told me, that a little way up the *gaut*, I should meet with another *Goosaign*, who was better acquainted with the country than he was, and would give me every information in his power. This was a pleasing circumstance, and gave me great encouragement.

As I began now to ascend the mountains of *Corair*, it was with vast satisfaction that I found the *gaut* practicable, although labouring under many difficulties, from the great length and steep acclivity of the ascent. We ascended more than 300 yards in perpendicular height above *Singrowla*; and yet the country before us appeared considerably elevated. On approaching the village of *Ootna*, where we encamped, the inhabitants, to the number of about twenty, came out

out to gaze at us. As they appeared to be impressed with a good deal of surprize at our appearance, I desired the guide to assure them, that it was not our intention to do them the smallest injury; but that we should be much obliged to them, in case they had any grain, if they would bring some for sale. After staring at us for nearly two hours, they retired to the village, and soon after brought us twenty *seers* of rice, and two fowls of the curled feather tribe, which they sold us for about four *annas* worth of *cowries*. They now informed me, that we had a much more difficult ascent to encounter than any we had yet met with.

THIS village consisted only of about six huts; but a considerable space of land, in which rice was cultivated, had been cleared around it. I found here an iron mine, which had been recently worked; but the habitations, and forges, of the people, who had smelted the ore, were desolate. The rocks in this country are mostly granite, and the soil red clay.

ABOUT noon I perceived the other *Goosaign* coming down the pass, and he soon after came to my tent. As he appeared to be very languid from an ague fit that had just left him, I made him sit down on the ground; and collected from him intelligence which proved afterwards of much use to me, in my progress to *Ruttunpour*. He told me that the country was very poor, and travelling in it exceedingly difficult, particularly for all kinds of cattle. That the paths being rarely frequented, were almost entirely overgrown with bushes; but that I should get plenty of dry grain, provided the inhabitants, who had lately fled with their property into the hills and woods, to avoid being plundered by the *Mahratta* army, could be found. The *Rajah* of *Corair*, he said, was besieged in a little mud fort at his capital *Sonehut*; and had, at this time, no influence

in the country: he therefore earnestly recommended to me to pass, if possible, while the *Mahratta* army was there; as it would effectually secure me from any measures which the *Rajah* might be inclined to make use of, to impede or molest us. I felt myself much obliged to the *Goosaign* for the information he had afforded me. He was, I found, a native of *Benares*, and had come into these wilds to procure lac; a quantity of which he had purchased from the *Chohan* mountaineers, for a little salt and cloth, and was carrying it to his country. He added, that the fatigue and trouble he had endured in the course of this traffic, was such that he would no longer continue it.

HAVING dismissed the *Goosaign* with a small present, I sent a party of my people to examine *Ootna gaut*. They returned in about half an hour, and reported, that, unless the stones should be removed, and the earth smoothed in some places, it would be impossible to get the cattle up the gaut. Finding it was likely to be an arduous undertaking, I sent for the head man of the village, who was a *Gautea*,* and asked him if he could afford me any assistance in ascending the pass. He replied, that, without invoking the Deity who presides over these mountains, and sacrificing to him a gelded goat, and a cock, we should never be able to surmount the difficulties before us. Being anxious, at all events, to prosecute my journey, I felt no inclination to argue with him on the propriety of this measure. Upon asking him at what place it was usual to perform the ceremony, and when the sacrifice would be most acceptable; he replied, that the name of the Deity was *LILCAUNTDEO*; that he resided on the high rock which I have before mentioned in exploring *Punkyputter gaut*; but, to prevent my being delayed, if I would intrust the sacrifice to him, he would take
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* An inhabitant of the gauts, or passes.

the earliest opportunity of performing it; and he did not doubt, it would have all the effect that could be desired. Having satisfied the *Gauca's* prejudice in this matter, he readily promised to render me every assistance in his power, with the villagers, in the morning.

FEB. 20th. I set out to ascend *Ootnā gaut*, and, after proceeding about a mile, arrived at the foot of it; where I found the *Chohans* had already been at work, with my *lascars* and *coolies*, to render it accessible. Having unloaded the cattle, we began to ascend a very steep and rugged hill, making an angle with the horizon of about 75 degrees. The stones in it are placed somewhat like steps, and upon these, men, and cattle, are obliged carefully to place their feet, and remove them from stone to stone. In two places, where the ascent was very steep, and the stones far asunder, it was very dangerous; but by the united exertions of the *sepoys*, followers, and *Chohans*, we had the good fortune to surmount every difficulty, and to reach the top of the *gaut* without accident. Being much fatigued by the exertion, we only proceeded about two miles further, and encamped in the forest near a rocky hole in a small *nulla*, that was full of water. The *Chohans*, who, during our short intercourse with them, had become acquainted with us, now brought in small quantities of grain to barter; and I at length prevailed on the *Gautea* to provide us with two guides, to accompany us on the following morning.

FEB. 21st. OUR route this day was continued over craggy rocks; sometimes in deep gulleys and defiles, or on the edge of the precipices. I met with only one hut, which had been deserted, until we arrived at the village of *Nutwye*, where I perceived the inhabitants packing up their property, and hurrying away: nor was it till after three hours had passed in endeavours to pacify them, that we could get any of them to come near us.

However

However, conciliatory measures at length prevailed; when we procured from them nearly a day's consumption in grain, and they relieved the guides who had accompanied us from *Ootna*.

FEB. 22d. THE road was not better than that we had travelled on the preceding day; and it cost us infinite labour and trouble to get the cattle down precipices, and over such craggy rocks, and rugged paths, as harassed the whole party exceedingly. After proceeding about three miles from *Nutwye*, I observed the little hamlet of *Bugrody*, which was desolate, on our left. Although the whole distance marched was but seven miles, we did not arrive at the village of *Chundah* until the day was on the decline. We found here only two poor huts, and these had been deserted. Towards the evening, a *Byraggy** mendicant made his appearance, and brought with him a few of the *Chohans*, who complained that some of my people had taken grain out of the huts. I directed a diligent search to be made; but after opening every man's bundle, and not discovering the thief, I tendered the *Chohans* a *rupee*, conceiving that the quantity of grain, if any, which had been taken, could not exceed that value. They, however, declined taking the money. I then pressed them to sell us some of their grain, and to relieve our guides; but they stole away into the woods, and I saw them no more.

FEB. 23d. SOON after leaving *Chundah*, it began to rain in small showers, but the weather was fair at intervals. In the night the rain had fallen very heavy, accompanied by a high wind: the road, which was bad enough in dry weather, was, in consequence, rendered so slippery, that our toil was considerably increased; and we did not reach the village of *Purryhud* till afternoon; although the distance to that place was not more than seven miles and a half. We surprised on our journey a party of *Chohans*, who had

taken refuge in a recess among the hills, in order, as we were told, to avoid being molested by the *Mahrattas*. The whole party might have consisted of about fifty men, women, and children, who no sooner perceived us, than they ran off, howling and shrieking, into the woods. Their flight was so precipitate, that they left all their property behind them, which consisting only of dry grain, packed in leaves, and which being flung upon bamboos, they could easily have carried off. I was careful, that none of their bundles should be touched, in hopes that, when they should recover from their panic, they might be induced to bring some of the grain to *Purryhud* for sale; but in this expectation I was disappointed.

THE rain, on our arrival, came on so heavy, accompanied by a high wind, that it was with difficulty we could get a fire kindled, and a scanty meal prepared, to relieve the pressure of hunger. As any information regarding the situation of the contending parties at *Sonehut*, now only five miles distant, became of much consequence for me to attain, I sent a *Hirkarra*, accompanied by one of our *Chohan* guides, with a letter to the *Mahratta* officer in command, and likewise one to the *Rajah*. Before night, I received an answer from each party; that from the *Mahrattas* very civil; and the *Rajah*, who had just concluded a cessation of hostilities, sent guides to conduct me to *Sonehut*.

FEB. 24th. THE rain did not abate till about noon, at which time, being anxious to reach *Sonehut*, I moved on. But we had scarcely marched two miles, when it began to pour so heavily, that it was with difficulty we could proceed any further. Finding some deserted huts within a mile of *Sonehut*, we all crept into them, to avoid the inclemency of the weather; for the ground was so wet, that it was impossible to pitch
a tent.

a tent. We made fires to dry our cloaths, and remained all huddled together in the *Chohan's* dwellings until next day.

FEB. 25th. THIS morning, as the weather cleared up, I discovered the *Rajah's* fort upon an eminence to the N. E. of us, with about forty huts to the southward of it. The *Mahrattas* were encamped about a mile to the westward of the fort, and appeared to have been much incommoded by the rain; but the weather being now fair, and hostilities at an end, they were preparing to march.

ABOUT 2 P. M. the *Rajah* sent me word that he would visit me; but he did not come until the evening, at which time I was examining the road for the commencement of our next day's march. However, he stayed till I returned to my tent, where the interview took place. RAM GURREEB SING, the *Rajah* of *Corair*, appeared to be about sixty years of age: he was a man of low stature, very dark, and his features had quite the character of the *Chohan* mountaineer. He came accompanied by his son, his *Killadar*, a *Bogale Rajepoot*, and a *Sirdar* of some auxiliaries who had come to his assistance from *Nigwanny Coaty*. He appeared to be of a mild and affable disposition; but our salutations were no sooner over, than the *Killadar* very abruptly demanded a present of me for his master. Of this I took no notice; and immediately began asking them a variety of questions concerning the late contest between the *Rajah* and the *Mahrattas*; when the substance of the information I received was as follows: That since the *Mahrattas* had established their government in *Ruttunpoor*, and *Bogalecund*, they had demanded a tribute from the *Chohan Rajah* of *Corair*, which, after much contention, was settled at 200 *rupees*; but that RAM GURREEB had demurred paying any thing for the last five years. GOLAUH KHAN had, in consequence, been deputed by the *Subadar* of *Choteesgur*,

teesgur, with about 200 matchlockmen, and 30 horse, to levy the tribute due to the *Rajah* of *Berar*; and had been joined by the *Rajah* of *Surgooja*, with about 80 horse and foot. GURREEB SING, on his side, had been supported by the *Rajah* of *Ningwannv Coaty*, with 7 matchlocks, and 3 horsemen; and his own forces amounted only to 10 matchlockmen, 3 horsemen, and about 100 of the *Chohan* mountaineers, armed with hatchets, bows, and arrows. They had attempted to fortify the pass through which they expected the *Mahrattas* would have entered their territory; but GOLAUH KHAN outgeneralled them, by entering *Corair* through a different opening in the mountains; in the forcing of which, there had been four or five men killed on both sides. The *Mahrattas* then entered *Corair*, and took possession of *Mirzapour*, the ancient capital of the country. Upon this the *Chohans* fled; the *Rajah* took refuge in his fort; and the mountaineers obscured themselves, with their families, and as much of their property as they had time to carry off, in the most impenetrable parts of the woods, and in caves among the hills and rocks. The enemy then ravaged the country, and burned the villages, which very much distressed the *Rajah's* subjects; whereupon they supplicated him to make peace. A treaty was begun, and concluded, on his stipulating to pay the *Mahrattas* 2000 rupees; and the *Mahrattas* agreed to return some cattle which they had taken. I was well informed that this sum was considered merely in the light of a nominal tribute, or acknowledgment of submission; for the *Rajah* had it not in his power to pay one rupee; and the *Mahrattas* had agreed to let him off, on his giving them five small horses, three bullocks, and a female buffalo. This little recital being ended, I put some questions to the *Killadar* (who appeared to be by far the most intelligent man among them) relative to the climate and productions of *Corair*. He related, that they never experience any hot winds; but from the frequent rains that fall, the

the air is cool, and throughout the year a covering at night is necessary. He alledged, that he was not a native of *Corair*, having emigrated from *Rewah*, in *Bogalecund*; and that the change of water had disagreed with him, which was usually the case with all new comers. He added, that the country produced a little rice, Indian corn, and a few other smaller grains, peculiar to hilly countries. Being very much gratified with his unreserved replies to my interrogatories, I took this opportunity of presenting the *Rajah's* son (a lad of ten years of age) with a red turban, which being bound on his head, he so far exceeded in the gaiety of his appearance any of the people about him, that the old *Rajah* seemed to behold him with delight, and soon after departed, promising to send me two guides before night.

FEB., 26. We departed from *Sonehut*, when I was much pleased to find a better road, and more open country, than any I had met with since our departure from *Chunarghur*. The villages were, however, still very poor, not consisting of more than four or five huts each. The guides expressed much dread in passing the deserted village of *Culchar*, where the tigers had, but a few days before, carried off some people, which had so alarmed the villagers, that they had all fled. On passing the village of *Coosahar*, I observed a very fine spring, called *Darahcoond*, from which there issued a considerable quantity of water. We encamped this day upon a rocky eminence, near the little village of *Loveejay*; where, as the *Mahrattas* had now retreated, the inhabitants were busily employed in bringing back their property, and taking possession of their dwellings. The weather was still cloudy, and the air temperate.

THERE is abundance of game throughout the whole of *Corair*, consisting in partridges, quails of various kinds, and snipes; a few wild ducks, and hares in

great numbers; a great variety of deer, among which the *Sambre* and *Neelgaye* are found; a kind of red deer; the spotted kind, and hog deer; likewise a species of deer which I had never before met with, having a long neck, high fore legs, and low behind; but without horns. Some were of a grey colour, and others black and white. Among the animals of a more ferocious nature, may be reckoned the royal tiger, leopards, tiger cats, and large black bears.

FEB. 27th. My journey again continued through the thickest forests. I descended two very difficult passes into a pretty little valley, on the west side of which is situated the village of *Mirzapour*, which had formerly been the capital of *Corair*, and the residence of ADEL SHAW, the father of GURREEB SING. It was desolate, excepting two or three *Chohans*, who had come to see what loss the village had sustained, and how much of their property the *Mahrattas* might have spared; for we, who had followed them in their retreat, could, from the quantity of dry grain, and other plunder, which they had dropped upon the road, perceive that they had loaded themselves to the utmost. With the exception of a square tank and a mangoe grove at *Mirzapour*, I could perceive but little difference between it and the other rude and miserable dwellings of the *Chohans*. I was informed that the motive which had induced the present *Rajah* to remove his abode from where his ancestors had always resided, was to secure himself from the inroads of the *Mahrattas*; the situation of *Sonehut*, which is nearer to the difficult recesses in the higher parts of *Corair*, being more favorable for concealment.

PREVIOUS to the *Mahrattas* extending their conquests into these wild regions, the *Rajahs* of *Corair* appear to have lived in perfect independence; and never having been necessitated to submit to the payment of any
tribute,

tribute, they had no occasion to oppress their subjects. As far as my inquiries could penetrate into the history of this country, but which, from there being no records, must be liable to great inaccuracy, it appeared that the *Chohans* were the aborigines of *Corair*; and that a species of government, very like the ancient feudal systems, had formerly subsisted.

HAVING proceeded about three miles beyond *Mirzapour*, we came to the village of *Sorrah*, where we found the villagers taking possession of their habitations; but on seeing us, they all fled; nor would they again return to their huts, until we had passed by. Between *Sorrah* and *Munfook*, where we encamped this day, I observed several narrow valleys that were cultivated with rice. The inequality of the ground making it a receptacle for the water that falls, the natives throw little banks across the valley, of strength proportionate to the declivity of the surface, by which contrivance they preserve a sufficient quantity of water for the irrigation of their fields throughout the whole year.

THE village of *Munfook* being desolate, it was fortunate that we had been so provident as to carry grain. Our guides, who had now accompanied us two days journey, being impatient for their discharge, we were under the necessity of pressing a man who had come into the village to see what remained of his pillaged habitation. He was naked, having nothing about him but his bow and arrows, and appeared at first a good deal terrified; but on being fed, and treated kindly, he soon became pacified. As the evening approached, we heard a hallooing in the woods, and, after listening with attention, we found it was the mountaineers inquiring for their lost companion, whom they were seeking with much anxiety. We made him answer them, that his person was safe, and that he was well treated; upon which they retired apparently satisfied.

FEB. 28. A heavy fall of rain, accompanied with wind, delayed our moving until noon; when we proceeded, and reached *Tuggong*, by half past five o'clock. This little hamlet, which consisted only of three huts, was destitute of forage for our cattle; and our provisions being also expended, and the place desolate, we had no resource left, but to march the next day, until we could reach some inhabited place; where our very urgent wants could be supplied. Our guides having now accompanied us three days, declared they would proceed no further; and the man we had surprized, proved so wild and untractable, that he was of little or no service. But, to add to our trouble, about three in the morning of the ensuing day, a very heavy storm of wind and rain came on, which lasted with little intermission till noon, so that we now became not only hungry, but wet and cold. The weather cleared up about noon, when three men came in from *Moortylol*, the *Goand Rajah* of *Kurgommah*; the object of whose visit, I found, was to entreat me not to go near his place of residence. It was with difficulty I could persuade them, that the object of our journey, and the nature of our situation, was such as to preclude a compliance with their message; but which appearing at length to comprehend, they readily undertook to relieve our guides, and conduct us.

MARCH 1st. We proceeded in the afternoon through a very wet road to *Kurgommah*. The *Goands*, seeing us encamp quietly, came out to the number of about fifty to gaze at us. They appeared to be a stout well looking people, and in every respect superior to the mountaineers of *Corair*. We experienced some difficulty in conversing with them; but, after repeated applications, we made them at last comprehend, that we were in want of grain; when they informed us, that we could have none till the next day; as it would be necessary for me to halt, and see *MOORTYLOL*, before any thing could be afforded us.

MARCH

MARCH 2d. RAJAH MOOTYLOL came to visit me: he was a tall well-made man, of a very dark complexion, but appeared to have been much reduced by sickness. Another sick man was with him, whose complaint seemed to be a leprosy, and who wanted physic, and advice; but which I told him I was unable to give him. On my inquiring of them what countries were situated contiguous to *Kurgommah*, I was informed, that to the north was *Corair*; to the north-west, *Ningwanny Coaty*, and *Bogalecund*; to the west, *Pindara*, and *Omercuntuc*; to the south, *Mahtin*; and to the east, *Surgooja*. These countries are all very wild, and thinly inhabited, and are seldom or never frequented by any travellers, except the *Hindoo* pilgrims, who go to visit the sources of the *Soane* and *Nurbudda* rivers at *Omercuntuc*. The usual road to this place is by *Ruttunpour*; but the *Brahmens* having been plundered, by the *Pertaubgur Goand Rajah*, of what they had collected from the offerings of the pilgrims, it was at that time little frequented. With much difficulty I procured here a scanty supply of grain, for which we paid exorbitantly, and prevailed on MOOTYLOL to give us guides to direct us in our next day's journey.

MARCH 3d. OUR guides, either from knavery or ignorance, led us repeatedly out of the road, which was over very rugged ground, and through a very wild country. We were in consequence frequently puzzled to recover the track, and obliged to grope out our way for the first five miles; after which it was with much satisfaction that we quitted the territory of MOOTYLOL; and, crossing the river *Husloo*, entered upon the *Mahratta's Khafs Purgunnah* of *Mahtin*. The banks of the river were very rugged and steep; and the impressions of tigers' feet were visible in the sands. On the opposite bank stood the little village of *Mungora*, in which we found only one family, consisting of an old man, his wife, and two sons;

the latter of whom very readily relieved our guides, and led us through a wilderness to *Coosgar*; the inhabitants of which were *Goands*. Excepting in the culture of the soil, for subsistence, they appeared to be totally uninformed, and ignorant of every thing relative to other parts of the world. They did not, however, shew any symptoms of alarm on our approach, as we had commonly experienced among the inhabitants of these wild regions. Neither silver nor copper coins are current in this country; but cowries were passed at a profit of near an hundred per cent. above their common value at *Chunarghur*. With much difficulty we procured here, from the villages, as much grain as sufficed for the day. The weather proved squally, but cleared up at night; and a clear sky at our setting out next morning gave us fresh spirits.

MARCH 4th. A little after sunrise the sky was again overcast, and as we proceeded we perceived that much rain had fallen in every direction around us. We escaped, however, with little; and as we approached to *Fulky*, the country appeared less overrun with large forest trees than that we had travelled through the preceding day; but the road led sometimes through almost impervious thickets of high grass and reeds. On our arrival at *Fulky*, we found a different tribe of mountaineers, who called themselves *Cowhiers*. Two roads led from this place to *Mahtin*; one, by *Tannaira Cussaye* and *Butloo*; another, more circuitous, through the beds of the *Bockye* and *Hustoo* rivers, *Kurby* and *Bonnair*. In the evening I examined the former, and found it tolerably passable as far as *Tannaira*; from which place it appeared to lead into the hills. This village had been recently destroyed by fire; and on my inquiring the cause from the villagers at *Fulky*, they informed me, that the tigers had carried off so many of the inhabitants, and had made such devastation among their cattle, that they had been induced to abandon it, and to settle at

Julky. A herd of the *Sambre* deer, very wild, had taken up their residence near the remains of the village of *Tannaira*, where we saw likewise abundance of green pigeons and peacocks.

FINDING the road thus far good, I had determined to proceed by this route to *Mahtin*; but the *Cowhiers* dissuaded me from it; alledging, at the same time, that if I pleased, I might attempt it, but that they were convinced it would be impassable in the hilly part for cattle of any description; and that the road was of so difficult a nature, that I could not hope to reach *Mahtin* by night; although the distance was only fifteen miles. To have involved myself in so arduous an attempt, without the prospect of any refreshment, and, after clambering over precipices all day, to have run the risk of being benighted in so wild and desolate a part of the country, would have been highly imprudent; I therefore abandoned the idea, and determined on taking the road by *Kurby*.

MARCH 5th. ABOUT an hour before day-light, our route commenced for about a mile in the bed of the *Bockye* river, which led us into the bed of the *Husloo*, where the stream was considerable, and very rapid. We crossed it twice, but in this we were not so fortunate as in the former, where we had found a hard bottom; for the wetness of the road, and the quicksands in which our cattle were frequently involved, rendered this part of our journey very toilsome and distressing.

We arrived this day at *Pory*, having left some lofty ranges of hills to the westward. At this place a *Cowhier* chief came to visit me; or rather his curiosity brought him to see a white man. He was accompanied by his son, and grandson; both stout and large limbed men for mountaineers, though not so well shaped as the *Goands*. We stared at each other a little while; for our languages being totally unintelligible

ble to each other, we could hold no conversation, until a *Byraghy Fakeer*, who had wandered into these wilds, tendered his services as interpreter. All that I could collect from this chief was, that in these mountains there are seven small districts, called *Chowrafs*; containing nominally eighty-four villages; but that, in reality, not more than fifteen were then in existence. That they were all considered as belonging to the *Purgunnah* of *Mahtin*, and that the tribute they paid to the *Mahratta* Government, which consisted in grain, was very inconsiderable. The *Mahrattas* kept it up to retain their authority among the mountaineers; who, if not kept in subjection, were constantly issuing into the plain country to plunder. I inquired of him, if there had ever existed a *Cowhier Rajah*, or independant chief of any kind; to which he replied, that the country had formerly been subject to the *Rewah Rajah* of *Bogalecund*, and that, about thirty years since, the *Mahrattas* had driven him out; having in the contest very much impoverished and depopulated the country.

THE conversation was carried on under much disadvantage; for it was evident our interpreter understood but imperfectly the language of *Cowhier*. The old man, whose attention had been chiefly attracted by a *Ramnaghur Morah*,* of which he was desirous to know the construction, being satisfied as to that point, now took his leave, and departed.

MARCH 6th. This day's journey brought us to *Mahtin*. The road, for the first five miles, was one continued ascent; in some parts steep; but in others, gradual; till we arrived at the village of *Bunnair*, where we turned to the westward, to ascend the very difficult *gaut* between it and *Mahtin*; which in length is about three miles. At the bottom of it is the little village of *Loungah*, which gives its name to the pass. We

* A kind of stool, made of wicker work, and cotton thread.

We had hardly reached the top of the first ascent, when a violent squall of wind and rain, accompanied by thunder and lightning, broke under us. We were fortunate in escaping it; for had it fallen in our track, it would have rendered the road so slippery as greatly to increase the difficulty of the ascent. We arrived at *Mahtin* about an hour before noon, and encamped on the east bank of the river *Taty*. Near this place (bearing north about one mile distant) is a very picturesque mountain, called, by the Cowhiers, *Mahtin Dey*. With my telescope I discovered a little flag on the summit of it; and on inquiring the reason, I was informed that it was to denote the residence of the *Hindoo* Goddeſs BHAVANI. This day being the *Hooly*,* the mountaineers were celebrating the festival, by ſinging, and dancing, in a very rude manner, to the ſound they produced by beating a kind of drum, made with a ſkin ſtretched over an earthen pot. They ſeemed to be totally uninformed as to the origin or meaning of the festival; nor was there a *Brahmen* among them, to afford them any information on that ſubject. I am inclined to think that they are a tribe of low *Hindoos*; but being ſo very illiterate, and ſpeaking a dialect peculiar to themſelves, any inquiries into their hiſtory, manners, and religion, would have been little ſatisfactory.

THIS evening we had a good deal of thunder, and the ſky was overcaſt and clear, at intervals, until near midnight; when a violent ſtorm of wind and rain came on from the N. W. accompanied with very large hailſtones. The thunder was very loud and ſhrill, and, being re-echoed by the mountains, the noiſe was tremendous. The ſtorm continued about two hours, when the wind abated; but the clouds came down upon the hills on all ſides, and the rain continued more or leſs violent all the next day.

MARCH

* An Hindoo festival at the ſpring.

MARCH 7th. In the evening the clouds began to ascend, and the day broke next morning with a clear sky; but the country being wet, and the *Taty* river quite filled, we were compelled to postpone our march.

MARCH 8th. THIS morning a *Cowhier* came in from *Loffah*, a village about five *cofe* distant, and reported, that close to *Mahtin*, at the bottom of the large hills, he saw the mangled bodies of a man and a bullock, who appeared to have been recently killed by tigers. I found, on inquiry, that the traveller was a villager coming with his bullock, loaded with grain, to *Mahtin*, and that the accident happened just as he was terminating his journey. Upon asking the *Cowhiers* if they used any means to destroy the tigers, they replied, that the wild beasts were so numerous, that they dreaded, if one were to be destroyed, the rest would soon be revenged upon them, and upon their cattle; and would undoubtedly depopulate the country. He added, that the inhabitants of *Mahtin* make certain offerings and sacrifices, at stated periods, to BHAVANI, on *Mahtin Dey*, for her protection from wild beasts, upon which they rely for preservation; and he remarked to me, that the man who had been killed, was not an inhabitant of their village. I could not forbear a smile at the credulity of these mountaineers.

WE had now experienced rain, more or less, for twenty-two days; the weather was still cold, but the air, clear and sharp; and, as far as I could discover, the fall of rain was not considered as unusual at this season in that part of the country.

FROM the time that we had entered *Corair*, I had observed a great variety of very beautiful flowering shrubs, which appeared new to me; but not possessing sufficient botanical knowledge to decide to what classes
of

of the vegetable system they belonged, I endeavoured to collect the seeds of each kind; in the hope that, if the change of soil and climate should not prove unfavourable, I might enjoy the satisfaction of seeing them flourish in some part of the Company's territories.

MARCH 9th. PROCEEDED to *Jaitaingah*, a short distance; but the rain had made the road so bad that we travelled but slowly.

MARCH 10th. THE weather fair. Proceeded fourteen miles to *Pory*, a *Byraghy's* dwelling. We had now some respite from the difficult ascents and descents we had been accustomed to, our road lying in a valley between two high ridges of mountains. At this place I was informed that the sources of the *Soane* and *Nurbudda* rivers were not more than twenty-two *cofes* distant to the westward; that they derive their origin from the water that is condensed, and issues from the cavities, in the mountains which form the high table land of *Omercantuc*. Prior to my commencing this journey, I had pictured to myself a great deal of satisfaction, in the prospect of visiting this place, and in viewing the spot where two large rivers, issuing from the same source, pursue their courses in opposite directions, until the one falling into the gulph of *Cambay*, and the other into the *Ganges*, they may be said to insulate by far the largest part of *Hindooftan*.

THE *Byraghy* at *Pory*, who had been somewhat alarmed on our approach, seeing us encamp without molesting him, brought me a present of a fowl and two eggs, which I accepted; but being fatigued at the time, I dismissed him, desiring him to call again in the evening. He came according to appointment, accompanied by two or three *Cowhiers*; and as he had been a great traveller, I found him very conversant in

attributed them to its extreme chill; but this was a quality which I had not been able to discover. He next inquired by what route it was my intention to proceed to *Vizagapatam*.—When I mentioned through *Choteesgur*, and *Bustar*, to *Jaypour*; he informed me, that I had yet a very mountainous and wild country to penetrate by that road; added to which, the inhabitants being *Goands*, and very savage, I might experience some trouble from them. I asked him if the *Mahratta* government was not efficient there; to which he replied, that for the last four or five years, the *Rajah* had paid no tribute: that they had never had the entire possession of the country; but, by continuing to pillage and harass the *Goands*, they had brought the *Rajah* to acknowledge the *Mahratta* government; and to promise the payment of an annual tribute. That a few days before, a *vakeel** had arrived from *Bustar* with 5000 rupees, which at least shewed an inclination to be on good terms. He told me, that I should be provided with a letter from the *Ranny*, or widow of the late *BEMBAJEE*, to the *Conkair Rajah*, whose adopted son he was. I was further informed, that this *Conkair Rajah* was a *Goand* chief, possessing a track of hilly country that bounds the southern parts of *Choteesgur*, and is situated between it and the *Bustar Rajah's* country; who, from his situation, would have it in his power to assist me in the further prosecution of my route through *Bustar* to *Vizianagram*, where my journey was to terminate.

I HAD now travelled 296 miles, from *Chunar* to *Ruttunpour*, in forty-four days; a small distance, comparatively with the length of time; but the difficulty of the roads, and the inclemency of the weather, had, for the last twenty days, not only retarded us exceedingly, but our cattle likewise had suffered so much,

* Ambassador, or deputy.

much, and were so exhausted, that a little respite from further fatigue was become necessary for our welfare.

A VARIETY of interesting objects now presented themselves, on which I was desirous of acquiring information; the first and most important of which, was an accurate account of the sources of the *Nurbuddah* and *Soane* rivers; and of the *Hindoo* pilgrimage to them. ITTUL PUNDIT visited me in the evening, when I expressed to him the strong desire I felt of proceeding to the spot, and inquired as to the nature of the road by which travellers usually went from *Ruttunpour* to *Omercuntuc*. He gave me nearly the same account which I had previously received from one of my *Hircarrahs*, who had visited the place, adding, that the *Goands* were, at this juncture, more powerful than ever, and that no pilgrims had attempted to go there for some time. He expressed at the same time a great deal of astonishment, and some alarm, at what could be my motive for wandering in these uncomfortable mountains and wilds. I told him, that the report I had heard of a very large *Hindoo* temple, and many curious images, had excited in me a desire to visit them, for magnificent objects in general had that effect upon mankind. To this he seemed to assent, but observed that it would be impracticable; for, if I were to leave my cattle and baggage under his care, and to proceed with my people on foot, which was the only probable method of surmounting the wild and rugged roads to *Omercuntuc*, the *Purtaubgur Goand Rajah* would, notwithstanding, molest me; and would endeavour to shut me up in some of the *gauts*, or passes, from which we should not be able to extricate ourselves without considerable loss, or the danger of starving in them. Finding, therefore, that no assistance was to be got from the *Mahratta*, or that his alarm might induce him rather to throw obstacles in my way, I relinquished, with much mortifying reflection and disappointment, the prospect of visiting
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a place,

a place, which I considered as one of the greatest natural curiosities in *Hindooſtan*.

THE only expedient that was now left, was to collect as accurate an account of the place as poſſible. In this the *Subadar* readily aſſiſted me, and ſent me two *Pundits*, who had been there repeatedly, and whom he deſcribed as intelligent men, and capable of ſatisfying my moſt ſanguine expectations. They were both *Brahmens*, of high caſt, and learned men. I began to interrogate them concerning the roads from *Ruttunpour* to *Omercuntuc*. They ſaid there was but one, which led from the north ſide of the town into the hills, where it continually aſcends and deſcends over mountains, and leads through deep defiles, on the ſides of precipices, and through a foreſt almoſt impenetrable, to *Pindara*, (a diſtance of about twelve coſs,) which is the head of a *Purgunnah* bearing the ſame name; but the village is very poor, conſiſting only of a few *Goand* huts. From this place the road was only known to the mountaineers, who are always taken as guides to direct the pilgrims in aſcending the table land of *Omercuntuc*. The *Soane* riſes on the eaſt ſide of it, and flows firſt through *Pindara*, where being joined by numerous other ſtreams from the N. E. ſide of this mountainous land, it proceeds in a northerly direction through *Sohaujepour*, and *Bogaleſund*; whence turning to the eaſtward, it purſues its courſe to the *Ganges*. After aſcending the table land, the temple is found ſituated nearly in the center of it; where the *Nurbudda* riſes from a ſmall *pucka Coond*, (or well,) from which, they told me, a ſtream perpetually flows, and glides along the ſurface of the high land, until reaching the weſt end of it, it precipitates itſelf into *Mundilla*. They deſcribed the fall as imenſe, and ſaid, that at the foot of the table land, its bed becomes a conſiderable expanſe, where being immediately joined by ſeveral other ſtreams, it aſſumes the form of a large river.

I was

I WAS much gratified with this description, which they delivered with so little hesitation, and which agreed so well with the accounts I had previously received, that it left no doubt in my mind as to its veracity. I next inquired of them, in whose territory *Omercuntuc* was considered. They said, that the *Nag-pour* government attached a part of it to their *Purgunnah* of *Pindara*; a second part was claimed by the *Rajah* of *Sohaujepour*; and a third by the *Goands*; in whose possession indeed the whole at that time rested. They described the building as being about forty feet high; that the images were numerous, and that they were descriptive of a very romantic fable; and this subject immediately led me into that of the pilgrimage. A desire, it seems, to possess the property accruing from the offerings, and taxation levied on the pilgrims who travel thither, had raised three competitors for it; but it properly belonged to the *Brahmens* who attend on the pagoda.

THE *Hindoos* worship at the source of these rivers the consort of *Siva*, whom SIR WILLIAM JONES, in his Treatise on the Gods of *Greece*, *Italy*, and *India*, mentions as being distinguished by the names of *PARVATI*, or the mountain-born goddess; *DURGA*, or difficult of access; and *BHAVANI*, or the goddess of fecundity; which latter is her leading name at *Omercuntuc*. The temple which contains the *Moorat* or image of *BHAVANI*, was built by one of the ancient *Rajahs* of *Ruttunpour*. The *Pundits* said there were formerly records of fifty-two successions; but that, about sixty years ago, the family had become extinct; when the *Mahrattas* took advantage of the confusion that ensued, from the endeavours of many competitors, to seize upon the government; and have retained it ever since that period. They related to me the names of three preceding *Rajahs*; viz. of *HEOHOBUN SING*; his father, *HEONNURALS*; grand father, *BISNAUT SING*; and great grand father, *RUTTUN SING*. More their
G 3
memory,

memory, or papers, could not furnish; but that the whole might be attained by reference to records which were now difficult to be found. Upon my expressing much solicitude to possess them, they told me that they doubted if there were any in *Ruttunpour*; for that the oppression and calamity which had befallen the city, since the *Mahrattas* had got possession of it, had destroyed that encouragement which the *Brahmens*, under the government of their ancient *Rajahs*, had been accustomed to receive; and having deprived them of small grants of land, upon which they had formerly subsisted, they had not only disturbed their literary pursuits, but had distressed them to such a degree, that they had been compelled to wander in search of the means of subsistence, and of peaceable retirement, elsewhere; and it might naturally be supposed that they had taken their books and papers with them. There were at this time, they said, only two or three families remaining, in the service of the *Mahratta* government, upon stipends so slender, that they were barely enabled to subsist.

THE spring from which the *Nurbudda* takes its source, is said to be enclosed by a circular wall, which was built by a man of the name of *REWAH*, and on that account the river is called *Maht Rewah*, from its source all through *Mundilla*, until it reaches the confines of *Bhopaul*. The images at *Omercuntuc* are said to represent *BHAVANI*, (who is there worshipped under the symbol of *NARMADA*, or the *Narbudda* river,) much enraged at her slave *JOHILLA*, and a great variety of attendants preparing a nuptial banquet; to which a very romantic fable is attached: That *SOANE*, a demi-god, being much enamoured with the extreme beauty of *NARMADA*, after a very tedious courtship, presumed to approach the Goddess, in hopes of accomplishing the object of his wishes by espousing her. *NARMADA* sent her slave *JOHILLA* to observe in what state he was coming; and, if arrayed in jewels,
of

of lovely form and dignity, or worthy to become her consort, to conduct him to *Omercuntuc*. JOHILLA departed, met with SOANE, and was so dazzled with the splendor of his ornaments, and extreme beauty, that she fell passionately in love with him; and so far forgot her duty as to attempt to personate her mistress; in which succeeding, BHAVANI (OR NARMADA) was so enraged at the deceit, that, upon their arrival at *Omercuntuc*, she severely chastised JOHILLA, and disfigured her face, in the manner said to be represented in the image. She then precipitated SOANE from the top of the table land to the bottom, whence that river rises; disappeared herself in the very spot where the *Narbudda* issues; and from the tears of JOHILLA, a little river of that name springs at the foot of *Omercuntuc*.

THE Pundits terminated their account by presenting me with an address of BEAS MUNI to the *Narbudda*, extracted from the *Vayer Purana*; and which my friend MR. SAMUEL DAVIS translated for me in the following words. "BEAS MUNI thus addressed NURMADA, (or the *Narbudda* river :) Glorious as the sun and moon are thine eyes; but the eye in thy forehead blazes like fire: Bearing in thy hand a spear like the *Treful*, and resting on the breast of BHYROE. The blood of ANDUK (OSSURA) is dried up in thy presence; thy *Weufon* (a sort of snow) is the dispeller of dread from the human race. BRAMA and SEVA resound thy praises: Mortals adore thee. The *Munis* reverence thee; *Dewas* (demi-gods) and *Hindras* (angels) are thy progeny. Thou art united with the ocean; thou art descended from SURYA. By thee are mortals sanctified. Thou dispeller of want, thou encreaseth the prosperity of those who perform devotions to thee. By thee are mortals directed to the blissful regions, and taught to avoid the mansions of punishment, Thou art also REBA, a child of HEMALA, (the snowy mountain.) NURMADA answered, O MUNI! thy

words are perfect, and thy heart is pure : Be thou chief of *Munis*. By reading this, a man's life will be lengthened, his happiness and fame encreased, and his progeny multiplied."

MARCH 16th. THIS morning I made an excursion to see the tank and buildings on the west side of *Ruttunpour*. The first objects that attracted my attention were two *Hindoo* temples on a hill: one had been erected by BEEMBAJEE in honour of LETCHMUN RAM; and the other I found had been built in honour of BEEMAJEE, whose heroic exploits had raised him in the opinion of the *Mahrattas* to the honour of a *Dewlah*; at whose shrine, offerings, and sacrifices, are accordingly made at stated periods. The guide then led me over some high banks, round the east and north sides of the fort. From the latter a gate projects into a tank upon a high mound. These two faces are surrounded by two large tanks; but the rampart is entirely fallen down, and in the place where it formerly stood, had been erected some poor huts. In the north end of the fort is situated a small brick *Hindoo* *stannee* house; in which ANUNDYBYE, and another *Ranny* of the late BEEMBAJEE, resided. He left three wives at his death; one of whom only had burned herself with his remains; and the other two were then supported on a *Jagheer*, granted to them by the *Berar Rajah*.

I PROCEEDED in a south-west direction, until I came to a building sacred to BHYROE; and found in it an enormous idol, made of blue granite, about nine feet in height, and which was rubbed over with red paint, and adorned with flowers. I was next directed to a little hill, called *Letchmy Tackry*, upon which is an image and temple dedicated to BHAVANI; whose protection, they said, had ever prevented the *Mussulmen* from disturbing the *Hindoos* in their religious rites at *Ruttunpour*. From this hill, looking north,
I had

I had a fine prospect of the town and fort of *Ruttunpour*, surrounded by a great number of tanks and pools. Beyond them appeared the mountain of *Loffagur*, on which the *Mahrattas* formerly had a post; and the view was terminated by the blue mountains towards *Omercuntuc*. To the southward was a large lake, called *Doolapour Talaow*; the embankment of which was nearly two miles in length; and to the westward, about a mile distant, was a little white building, which they told me was the tomb of *Moo-sakhan*, a *Patan* mendicant, who had been killed by the *Goonds*, many years ago, while endeavouring to make converts to the Mahomedan faith.

I now descended from the hill, and went to look at a heap of ruins; among which they pointed out to me *Rajah ROCONAUT's* old *Mahal*, or house, under *Goosapahar*. It had been pulled to pieces for the sake of the materials; and the walls had been much mutilated, in hopes of finding treasure. This building had been constructed on the old site of *Ruttunpour*, which then bore the name of *Rajepour*. On my return I observed a building in the middle of a tank, erected on thirty-six arches of the gothic kind, upon which were raised twenty-four pyramids over the external piers; and within them appeared a temple of a pyramidal form, the entire height of which I computed to be about fifty feet. They informed me it was a monument erected to the memory of one of the ancient *Rajahs* of *Ruttunpour*; and this object having raised my curiosity, I felt a strong desire to cross the water for a nearer inspection of it; for, if there had been any inscription upon it, it might probably have thrown some light upon the history of this part of India. I found, however, that the little excursion I had already made, had begun to excite some surprise in the town; which any further delay might have increased almost to an alarm; and as I depended a good deal upon the assistance of the *Subadar* of *Choteesgur*,

tee/gur, in prosecuting the remainder of my route; I conceived it more advisable to abandon the building, and return to my camp; than to hazard any obstruction to my fulfilling with success the very arduous undertaking I was engaged in.

THE *Pundits* visited me again about noon, when a conversation took place concerning the buildings, and ruins, I had visited in the early part of the day; which commenced with an account of seven *Coonds*, (wells) over which, they said, as many *Dewas* preside. Bathing in them they considered as highly beneficial, for thereby they imagine they receive an ablution from sin. These wells are situated in and about *Ruttunpour*; and from the sanctity attributed to them, the place has been called a *Coffy*. They related to me a number of fables concerning demons, and giants, who formerly inhabited these hills; one of whom, in particular, they mentioned by the name of *GOPAUL ROW PALWAN*, a great wrestler, who lived in the reign of the Emperor *ACBAR*, and whose name is still attached to a part of the hills on the north side of *Ruttunpour*. They told me many extraordinary stories of his exploits, and feats of strength and agility; and added, that the Emperor *ACBAR*, hearing of his fame, had sent for him to Court, and that his Majesty had been vastly gratified by his wonderful performances.

THE *Pundits* being about to take their leave; and as my departure next morning would probably prevent our meeting again; I thought the liberal and ready information they had given me, demanded some return; and, after making them a suitable compensation, I expressed a wish, that if they knew of any inscriptions, or ancient legends, in or about *Ruttunpour*, they would favour me with copies of them. They departed, promising to comply with my wishes, so far as might lie in their power; and in the evening they
sent

sent me a paper on which were written some lines in the *Deonagur* character, but which proved to be nothing more than a transcript from the *Mahabarat*.

RUTTUNPOUR is undoubtedly a place of great antiquity; and, could I have remained there a sufficient time to examine its ruins, and to search for the ancient records of the place, it is probable I should have obtained some useful information concerning it.

MARCH 18th. HAVING now rested five days at *Ruttunpour*, our journey was renewed, with fresh spirits, through a champaign country, abundantly watered with little rivers, full of villages, and beautifully ornamented with groves and tanks. After the difficulties we had encountered, the change of scene was truly gratifying; and the *Mahratta* government being well established, and the country highly cultivated, we met with civil treatment, and abundance of every species of grain. These were comforts to which we had been so long unaccustomed, that the hardships we had suffered in traversing the mountains and wilds of *Corair*, *Kurgummah*, and *Mahin*, were soon forgot. But as an account of each day's journey, through this fertile country, would be tedious and uninteresting in the detail, I need only mention, that we travelled 100 miles through it in little more than thirteen days, which brought us on the 31st of March to *Ryepour*, the next principal town in *Choteesgur*; but which, from its population, and commerce, might justly be ranked the first. I computed about 3000 huts in it: there is also a large stone fort on the N. E. side of the town, the walls of which are decayed, but the ditch is deep and wide.

THE soil in this country is a rich black mould, but no where more than three feet in depth. Under this the solid rock appears, as was perceptible in all the beds of the rivers, and in the sides of tanks and wells.

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It produces large quantities of wheat, and vegetable oil; such as the linseed, and *Palmachristi*, and various kinds of pulse. Rice is not abundant, it is only cultivated behind large reservoirs of water collected in the rainy season, in situations where the declivity of the surface is suitable; and through dykes, or embankments of which, the water is occasionally let out to supply the vegetation, when the want of rain from the atmosphere no longer favors it.

LARGE quantities of grain are exported from *Choteesgur* all over the *Nizam's* dominions, and the *Circars*, when the scarcity in those provinces requires it. From the latter they import salt, which is retailed at such an extravagant price, that it is sometimes sold for its weight in silver. The villages are very numerous, but poor; and the country is rich in cattle, and brood mares of the *tattoo* species: the population of *Choteesgur* is not great, nor does it pay a system of government to which it is subject at present, to increase it.

THE *Subah* of *Choteesgur*, with its dependencies, was at this time rented by the *Berar* government to *ITTUL PUNDIT*, for a specific sum, which was paid annually in *Nagpour*; and who, in consideration of the rank of *Subadar*, and his appointment, his wife paid a considerable sum. Upon further inquiry as to the means by which the *Subadar* manages the country, I was informed, that he farmed portions of it to his tenants, for a certain period, for specific sums; nearly upon the same terms as the whole was rented to him. The revenue is collected by his tenantry, which, in those parts of the country where the government is well established, gives but little trouble. The attention of the *Subadar* is directed to levying tributes from the *Zemindars* of the mountainous parts of the country; who have

ways refractory, and never paying any thing until much time has been spent in warfare, the result is often precarious, and the tribute consequently trivial. I was next led to inquire what method was adopted by the tenantry in collecting the revenue from the peasants. They informed me that it invariably consisted in taxing the ploughs, and was always delivered in the produce of the lands; as grain, oil, or cotton, according to the species of cultivation for which the implements had been used. This consequently occasions a vast accumulation of the produce of the country to the tenant; and some expedient becomes immediately necessary to convert it into specie to enable him to pay his rent.

THE insecurity attending the traveller, in his property and person, throughout most of the native governments of India, and the privilege allowed to the *Zemeendars*, of taxing the merchants who pass through their districts, is so discouraging to foreign traders, that they are rarely seen, in the *Mahratta* territory, employed in any other line of traffic than that of bringing for sale a few horses, elephants, camels, and shawls. All other branches of trade, both in exports and imports, are under the immediate management of subjects to the empire; under whose protection, likewise, a numerous class of people, called *Brinjaries*, carry on a continual traffic in grain, and every other necessary of life. By these, the largest armies are frequently supplied: but although much inland commerce is carried on in this way, it derives very little encouragement from any regulations of the *Mahratta* government, as to the improvement of roads, or any thing to animate it; and it is chiefly upheld by the necessity they are under of converting the produce of the lands into specie; the *Brinjaries* purchasing the grain at a moderate rate from the *Zemeendars*, and retailing it again in those parts of the country, where the poverty of the soil, or a temporary scarcity, may offer a ready market. Accordingly we find the

Brinjary

Brinjary persevering through roads, which but the most indefatigable spirit of industry could induce him to attempt, and where the straightness of paths and defiles, barely affords a passage for and his bullocks.

THE *Mahrattas* keep their peasantry in the most dejected state of dependance, by which means, I judge, the *Ryats* are less liable to be turbulent, or offensive to the government. Coin is but sparingly circulated among them; and they derive their habitation and subsistence, from the labour of their own hands. Their troops, who are chiefly composed of emigrants from the northern and western parts of *Hindostan*, are quartered upon the tenantry, who, in return for the accommodation and subsistence they afford, require their assistance, whenever it may be necessary for collecting the revenues. Such was the state of the country and government of *Choteesgur*; the effects of which, in seasons of plenty, are said to employ 100,000 bullocks; and it is accordingly one of the most productive provinces under the *Berah Rajah*.

THE only road from *Cuttack* to *Nagpour* is through *Ryepour*: it is indeed the only track by which a communication is kept open between the two places; but it is frequently obstructed by the *Zemcendars* who possess the intervening space of the country.

APRIL 14th. A journey of seven days, which the weather proved very pleasant, terminated this day on the southern confines of *Choteesgur*. Here we were within view of the hills that extend near the sea coast of the Northern *Circars*, a part of the peninsula; a space of about three degrees in latitude. Our march through this fine charming country had recruited the strength of our party, and I found my party yet able to endure much fatigue, and hard service, should it be required.

had been abundantly regaled with fine water fowls, large flocks of ortolans and quails; and the large herds of cattle having furnished us with milk, and *ghee*, in great abundance, which we obtained for the most inconsiderable prices, our departure from this charming country was regretted by the whole party; and the recollection of the hardships we had already suffered in a hilly country, rendered the prospect before us rather unwelcome.

It was here that I first met the *Mahanuddee*, or *Cuttack* river, and crossed it to enter upon the thick woods of *Conkair*, where the road immediately dwindled into a narrow path, or defile, through thick bushes and forest trees. After crossing a low ridge of hills, we entered upon that tract of country which is possessed by the ancient *Rajahs* of *Goandwannah*; and is entirely inhabited by the *Goand* mountaineers. The village at which our march terminated this day, consisted only of five poor huts; and the *Goands*, amounting to about fifteen inhabitants, came out to gaze at us. They were totally divested of alarm; and gave us to understand, through the medium of a *Fassos Hirkarra*, that, but for the instructions they had received from their chief, they would not have allowed us to enter upon their territory.

APRIL 5th. THIS day a very serious misfortune befell me, in the loss of the only *Hirkarra* who had ever before been in these wild and unfrequented tracts. He was the same whom I have already mentioned as having visited the sources of the *Narbudda* and *Soane* rivers; at which time he was in the service of the *Mahrattas*. He had, three days before, been indisposed with a complaint in his bowels, probably owing to the change of water, which had induced me to dispense with his attendance, in order that he might travel at his leisure, in company with another sick man,
who

the *Bustar Rajah's* territory would be avoided. Both roads met at *Jaepour*, the capital of the country bearing the same name; which town is said to consist of about five hundred *Oorea* huts. The old town of *Bustar*, I was informed, had been deserted; the inhabitants having removed to *Jugdulpour*; under which a considerable river runs, called the *Inderowty*; the bed of which, at that place, is very rocky, and not fordable at any period of the year. A small fort is situated in a peninsula formed by the winding of the river; and a deep ditch having been dug across the narrow neck of land, it is considered a strong situation; but, in the rainy season, the river overflows its banks, and forms a very extensive lake on all sides.

THE road by *Sehowah* and *Ryegur* appearing the only practicable one, I had resolved, after taking an adequate supply of provisions from *Conhair*, to commence upon it: But, on communicating my intention to SAUM SING, he endeavoured to dissuade me from it; alledging, in the first place, that if I reached the *Jaepour gaut*, I should find it shut up, and occupied by a large body of troops belonging to the son of the late VIZIARAM RAUZE; who would certainly oppose me; and that my party was not only too weak to force a passage, but even to preserve ourselves from being plundered, and cut off. Upon asking the reason of his being there in a hostile manner, he told me, that VIZIARAM RAUZE's country had been taken from him by the *Fringhys*; * that the *Rajah*, with a great many of his people, had died in defence of it, (alluding to the action near *Padnaburam*, in 1794,) and that he did not doubt, but NARRAIN BAUPPOO, his son, and the remainder of his adherents, would be glad of an opportunity of retaliating upon me and my party. It appeared, indeed, that *Rajah* RAMLOCHUN, of *Jaepour*, had, subsequent to the death of VIZIARAM RAUZE,

* Europeans.

RAUZE, afforded protection to his son; having received him, and his adherents, with much cordiality; and had united them with his own forces, to enable him to resist the English, and evade paying the tribute which had formerly been paid to VIZIARAM RAUZE. SAUM SING added, that, as I should have to pass through the center of the *Jacpour* country, if I escaped from one attempt that would be made to plunder me, I could nevertheless not hope to penetrate through it; for *Rajah* RAMLOCHUN could at any time muster 5000 men, the greater part of whom carried matchlocks; and others were provided with large crooked knives, and long spears; whose custom is to creep on the ground under cover of the bushes, until within reach of their enemy, when they throw their spears with great dexterity and effect. He next represented to me that the *Bustar Rajah*, DORRYAR DEO, and his son, PEERKISSEN DEO, were very treacherous and powerful; having possession of a great extent of country, divided into forty-eight *Purgunnahs*. That DORRYAR DEO, at the time of the decease of his father, had three brothers, on two of whom he had seized, and having put out their eyes, he still kept them in confinement; but the third had made his escape to *Nagpour*. Many acts of the most horrid treachery, which he had been guilty of towards his own people, were then detailed to me; and his only remaining relative, who had been subservient to his views, having lately been plundered by him, had fled to avoid more dreadful consequences. That DORRYAR DEO had removed his residence from *Jugdulpour* to a neighbouring hill fort, about five *cofs* distant, called *Kaisloor*; on which he had secured himself against the *Mahrattas*; and paid them no more tribute than he felt himself inclined to; on which account they plundered his country, and encouraged all the *Zemeendars* in the neighbourhood of *Bustar* to do the same; and to wrest from him as much of his territory as they could. SAUM SING next stated to me, that, under such circumstances, I could not expect that DORRYAR

DEO would pay much attention to my *Mahratta wannah*; and he was convinced, that if he did attack me openly, he would do it underhand means of the *Jaepour Rajah*. He concluded by telling me, that he had been induced to give me this information, to dissuade me from proceeding to VNAGRUM, by *Bustar* and *Jaepour*, to the end no reproach might come upon him; for in case misfortune should befall me, the *Mahrattas* would doubtless tax him with duplicity, in not having given me information of the danger before me; and that I was recommended to his care by his adopted father, the *Ranny* of the late BEMBAJEE, he felt himself doubly inclined to prevent any harm happening to me; but, if I was determined upon taking that route, I must take the consequences upon myself; for, from the representation he had made of the difficulty and danger of attempting it, he should consider himself free of all responsibility, and would make the same known to the *Mahratta* government.

THE information of the *Goand* chief was delivered with so much candour, and so very explicitly, that I could not harbour a doubt as to its veracity. I found it afterwards fully verified on my arrival at the *Circars*.

I WAS next led to inquire, that, supposing the country was settled, and the *Bustar* and *Jaepour Rajahs* not unfriendly to travellers, if the route through it would be of a convenient nature for the passage of cattle. SAUM SING replied, that the road through these countries consisted of one continual ascent and descent, through the thickest forests and mountainous paths; and in some places over the sides of the craggy precipices; that the whole of the *Bustar* country was almost a wilderness; being, in a few places only, thinly inhabited by the wild *Goands*, who lived in a state of nature; and that in some parts I should

no water but at a very long distances; and, in reality, no supplies of grain, until I should arrive upon the frontier of VIZIARAM RAUZE's country.

SUCH unfavourable reports of the state of the countries before me, damped at once the hopes I had entertained of fulfilling with entire success the object of my deputation; and I experienced the most vexatious disappointment at such a check being thrown in the way of my progress. I was indeed at a loss which way to direct my course through this labyrinth of mountains and wilderness; but, upon asking SAUM SING which would be the most eligible road to the sea coast, he replied without hesitation, that the only practicable road would be from *Conkair*, through the hills and *jungles* to *Byragur*, a distance of about forty *coss* to the westward; where I should fall in with a high road leading to the *Deccan* through the middle of *Chanda*, a fine champaign country. As my original intention of proceeding in a southerly direction had been frustrated, and the track pointed out to me through *Chanda*, would still furnish many desirable acquisitions in geographical knowledge, I resolved to adopt it; or rather I knew of no other to pursue.

THE *Rajah*, who was now about to take his leave, perceiving a sheet of white paper upon the table, which attracted his curiosity, it was handed to him; when he admired it exceedingly; and made a request that, if I had any to spare, I would give him some; which I promised accordingly; and here our conference ended.

WHEN *Rajah* SAUM SING, with his retinue, had departed, I sent an intelligent man to him to take an account of all the roads leading from this place to the sea coast; and particularly of that which he had advised me to pursue. As the *Mahratta Hirkarra* who

had accompanied me from *Ruttunpour*, was here to leave me, it became necessary that we should have some other man who could interpret between us and the *Goands* who were to be our guides. I sent therefore a request to the *Rajah*, soliciting that such a person might accompany us to his frontier; and likewise, that he would give me letters recommending me to the attention of the other *Goand Zemendars* between *Conkair* and *Byragur*. As an inducement to him to comply, I took this opportunity of sending him, according to my promise, a quire of gilt writing paper, and some coloured China paper. In the evening my messenger returned with an account, that the *Rajah* had been delighted with the little present I had made him; and had in a very satisfactory manner complied with my request.

ABOUT seven o'clock in the evening, the *Rajah's Dewan*, who I understood was the only man in the town that could read or write, came and presented me with a small piece of paper, addressed to the *Goand* chief whose territory is situated between *Conkair* and *Byragur*. It was written in the *Mahratta* character; and, on procuring a translation, I found it was addressed to the *Rajah* of *Pannawar*, and contained merely information of who I was, and where I was going, in order that he might not be alarmed at my approach, nor impede me in my progress through his country. The *Dewan* then delivered us some *Goands*, as guides, and departed.

APRIL 8th. THIS morning we experienced much trouble in detaining any of our guides; some of whom had, after repeated struggles, broke loose, and ran off. Our route led through thick forests and defiles among the hills, which continued during this and the ensuing day, until we reached *Bouflagur*, a large *Goand* village, situated at the foot of a high hill. It was here I first observed the streams running to the westward, and that
the

the country is drained into the *Godavery*; having hitherto perceived the little rivers and *nullahs* running eastward, and falling into the *Mahanuddee*. From *Conkair* to this place (a distance of about forty miles) not a single habitation had occurred, which could with propriety be denominated a hamlet. I had indeed observed a hut or two, here and there, with small spots of land somewhat cleared, where the *Goands* had cut down the trees to within three feet of the ground, and having interwoven the branches so as to fence their plantations against the attacks of wild beasts, had removed the intervening grass and creepers, to make room for the cultivation of a little maize, or Indian corn.

APRIL 10th. THIS morning, as the party was moving off, the *Goands*, who had been brought out of the village by the *Rajah's* people to serve as guides, were no sooner delivered to us, than they began to make very desperate attempts to get away; in most of which they succeeded. The *Rajah's* men alledged, that it was from fear; but to me it appeared to proceed from knavery, and an inclination to quarrel; for, when we had moved on a little way, a large body of *Goands*, armed with spears, surrounded a loaded bullock that was coming off the ground a little later than the rest; and, if I had not sent back a party to the assistance of the people in charge of it, there appeared to be little doubt but they would have carried it off. A man also, who had dropped some part of his property, and had returned the day before to look for it, was no more heard of; which convinced me that he had been cut off by these wild savages, who appear not to be wanting in inclination to fight, when plunder is in view, and who usually add murder to their depredations,

APRIL 12th. WE reached the *Conkair Rajah's* frontier; and I had scarcely gone beyond it, when intelligence was brought me of a large body of

men being perceived posted in the *jungle* on our left flank. On *reconnoitering* them, I found that they had taken possession of a defile, through which the road led; that many of them had matchlocks, with their matches ready-lighted; and the rest were armed with spears, bows, and arrows. Finding us aware of them, they did not advance; but a man on horseback came forward, and said, that he was deputed by the *Rajah* of *Pannawar* to ascertain who we were; but on my shewing him the *Conkair Rajah's* paper, he returned to his party, who made way for us to pass them, and proceeding, we soon reached *Pannawar*. Here I perceived the *Rajah*, seated on a rising ground, gazing at us; and immediately sent the *Mahratta* pass for his inspection, to which, although he shewed some respect, he would not afford us grain, nor provisions of any kind; and in the most sullen manner rejected all communication whatever. It was not until our utmost entreaties had been made, that we could get guides from him; in which at length succeeding, I departed with much satisfaction from the inhospitable mansion of this *Goand* chief.

THE *Bustar* frontier is about ten *cos* distant from this place; the aspect of the country in that direction is very mountainous; and all accounts corroborated the *Conkair Rajah's* description of it, as being a wilderness, and almost desolate. Our road led from one passage through the hills to another, so that the view could no where be extensive. These are doubtless the ranges of hills, which, continuing along the east side of *Berar*, connect the mountains of *Omercuntuc*, and *Mundilla*, with those of *Tilingana* and *Bustar*; and extend to the sea coast in the Northern *Circars*.

A MARCH of fifty miles more, in three days, brought us to *Malliwer*; the residence of another *Goand* chief. The road was much more difficult, and the country one continued wilderness. A considerable declivity,
between

between the mountains, separates the territory of the *Rajah* of *Pannawar* from that of *Malliwer*. I had frequently observed the *Goands* gather a small red plum from the *jungles*, and eat it; and this day a *sepoy*, who had followed their example, presented me some upon a leaf, which, on eating, I found to be a very pleasant subacid fruit. I afterwards met with abundance of this berry throughout *Chanda*, and was careful to preserve the stones, some of which I planted in the *Circars*, and brought the remainder to *Bengal*.

DOOROOG SHAW, the *Rajah* of *Malliwer*, supplied us with a little rice; but, until I had sent the *Mahratta* pass for his inspection on the following day, and demanded guides, he seemed to concern himself but little about us. The man whom I had deputed upon this service, returned to inform me, that on his presenting the *Purwannah*, the *Goand* chief had thrown it down, and spit upon it; and when he remonstrated with him on this disrespectful conduct towards the *Rajah* of *Berar*, he replied, that he was not in *Nag-pour*, and that he apprehended nothing from him. Of this unaccountable conduct I took little notice at the time; but ordered my people to prepare for marching. DOOROOG SHAW, perceiving our measures, came towards our encampment with a large retinue; when every thing being ready to move off the ground, I sent my *Moonshree* to him, escorted by a *naick* and six *sepoys*, with directions to shew him the pass once more, and to caution him against any disrespect to it; for, notwithstanding the *Rajah* was absent from his capital, I should, on my arrival at *Byragur*, lose no time in transmitting an account of the insult to the *Mahratta* officers who were in charge of the government. He seemed to be startled at the sight of the *sepoys*; and, as soon as the message was delivered to him, he sent to request a conference with me, to which I assented. A man, called his *Dewan*, who spoke a little bad *Hindee*,

devce, was the interpreter between us. The result of our interview was, that DOOROOG SHAW wanted a present from me: I told him his inhospitable treatment did not merit it, and that I should give him none. At this he appeared much offended; but finding that his importunities availed him nothing, he ordered three of his *Goands* to attend us as guides, with whom we immediately departed, leaving him no time to waver, or to countermand his orders.

HAVING dismounted from my horse in the course of this march, to take the bearings of some remarkable hills, a man, and a lad about ten years old, whose faces I knew not, fell prostrate at my feet. Upon inquiring into the cause of it, I was informed they belonged to a tribe of *Hindoo* mendicants, known by the name of *Goofaigns*. The man first raising his head and hands, in the most supplicating posture, requested that I would hear him. Surprise at this uncommon circumstance arrested my attention, and he began to recite his tale. He said, that he, in company with many other *Goofaigns*, had set out from the place of their residence, *Mirzapour*, (a town well known on the banks of the *Ganges*,) and that, after having travelled through the English territory to *Cuttack*, and made the pilgrimage of *Jaggernaut*, they had resolved to make all the pilgrimages in the southern parts of the Peninsula: But wishing first to visit the source of the *Mahanuddee*, and principal places of sanctity upon the upper parts of the *Gunga Godavery*, they had taken their route along the banks of the former. Having travelled unmolested for some time, and subsisted, in some places, on the alms of the *Hindoos*, wherever they found them, they had at length fallen in with the hills and *jungles* inhabited only by the *Goands*, who had plundered them, and murdered many of their companions; of whose bodies they had made offerings to their God; and that the two pitiful objects before me, were an instance of uncommon good fortune in escaping

escaping from the cruelty of these savages. I desired the man and boy to raise themselves up, when they solicited my protection, and permission to follow among my party; alledging, that, but for my taking compassion on their situation, and feeding them, they must undoubtedly perish. The first request I readily granted; but, as to the second, I told him that I had been only enabled to travel in these wilds, with so many people, by the most provident precaution; and by making every man carry his food for a certain number of days, until fresh supplies of grain could be procured: that it would not be just in me to deprive any man of his daily allowance, to give to them: but, as there were many *Hindoos* among my people, they might prevail on some of them to part with a little of their grain for immediate subsistence; and that in three days more we should arrive at *Byragur*, where their wants would be more effectually relieved,

THE conference being ended, I resumed my journey for the day, and was no more importuned by the *Goosaigns*; but I observed them afterwards among the *sepoys*, and received many grateful acknowledgments from them for the protection I had afforded them. I found also, on inquiry, that the *Hindoo sepoys* had fed them.

APRIL 17th. Our journey was continued, without any remarkable occurrence, through the hills and jungles, to within nine miles of *Byragur*, where we arrived this day. This place was formerly annexed to *Chanda*, and the country still bears that name, though they are now separate *Subahdaries*. BISHUN PUNDIT was at this time *Subahdar* of *Byragur*, and had rented the country for a specific period by contract. The government was much of the same nature as that I had met with in *Choteesgur*. *Byragur* is considered by the *Mahrattas* as a large town, and may consist of about

about three hundred tiled and thatched houses. It has a stone fort on the N. W. side, close under the east face of which runs the *Kobragur*, which winds round the S. W. side of the town, and being joined by another small river, takes a north-westerly course, and falls into the *Wainy*, or *Baun Gunga*.

BYRAGUR appeared to be a place of some traffic: I found here large bodies of *Brinjaries* from all parts of *Choteesgur*, and some from the *Circars*. The trade seemed to consist chiefly of cotton, which is brought from the N. W. parts of *Berar* and *Choteesgur*. This is taken up by traders from the *Circars*, who, in exchange for it, give salt, beetle, and coco nuts: and I understood that from this cotton the most beautiful cloths in the Northern *Circars* are manufactured.

THE long marches we had made through the hills and jungles, from *Conkair*, having harassed us a good deal, I resolved to rest a day at this place; as well with a view to gain information of the country before us, as to recover from our fatigues. I found the *Conkair Rajah's* information concerning the *Buflar* country, and that at this place I should fall in with a high road leading from *Nagpour* to *Masulipatam*, very accurate. The *Mahratta* government being also well established at *Byragur*, the greatest attention was paid to my pass, and I received every civility and attention in consequence of it.

APRIL 18th. IN the evening BISHUN PUNDIT paid me a visit, and detailed to me a route leading from *Byragur*, through the city of *Chanda*, to *Rajamandry*, in length about two hundred *cos*, or nearly four hundred miles: But the difference of latitude, in a meridional direction between the two places, not exceeding two hundred geographical miles, that route appeared rather circuitous; and my intelligence from other

other quarters soon convinced me, that by going to *Chanda*, I should considerably increase the westing I had already made from *Conkair*. As the authority of the *Mahratta* government extended some distance to the eastward of *Chanda*, I thought I might safely venture to take a southerly course for five or six marches, when drawing nearer to that part of the *Nizam's* territory which I was to pass through, I should probably obtain authentic information concerning the state of it.

THE general alarm that seemed to have pervaded the whole of the *Berar Rajah's* subjects, throughout *Chanda*, in consequence of the *Mahratta* war with the *Nizam*; and the armies being upon the point of coming to battle; a multitude of apprehensions had been excited, and various reports were already circulated, as to the issue of it. Immense quantities of grain had been sent from *Chanda* to supply the *Mahratta* army; and I found it was increased in price near 200 *per cent.* dearer than it had been in *Choteesgur*; rice being sold here at sixteen *seers* for a rupee.

NAGPOUR is not more than seventy miles from *Byragur* in a north-westerly direction. I might now be said to be verging upon the *Deccan*; and the change of climate, on entering the plain country, had become very perceptible; for the nights, which in the *Goand* hills had been very chill, were now become hot. The soil in *Chanda* appears sandy; and the produce is chiefly rice, with small quantities of pulse and sugarcane. Numerous herds of the finest goats, and sheep, are bred in this part of the country.

APRIL 19th. I moved from *Byragur* about sixteen miles to *Purla*; and proceeded through the eastern side of *Chanda*, skirting round the *Goand* hills and jungles which lay to the left of my route. I was informed, that this hilly tract is partly subject to the *Mahrattas*; but,

but, at the distance of twenty *coss* the country belongs to the *Buflar Rajah*, who is independant; and the inhabitants so wild, that it is never frequented by travellers; and I was told of more instances of *Fakeers* having been murdered in attempting to penetrate through it.

APRIL 20th. We arrived at *Cherolygur*, a large and well peopled village; from which place, I understood, the city of *Chanda* is only thirty *coss* distant. Three marches more through a country tolerably open, brought us to *Knusery*, which is under the *Subahdary* of *Chanda*.

APRIL 24th. We reached *Tolady*, a village near the S. E. frontier of the *Chanda Purgunnah*; and crossed this day the *Wainy*, or *Baungunga* river, which, rising in the hills of *Choteesgur*, receives all the little streams that have their sources on the S. W. side of the hills that divide the champaign country of *Choteesgur* from *Berar*. We had observed for the last two days many numerous flocks of sheep and goats in the villages. The soil was very sandy; and the white ants so numerous, that they ate the people's cloaths while they slept, and scarcely left them or me a pair of shoes.

APRIL 25th. Our march terminated at the little village of *Cotala*. I had now proceeded so far in a southerly direction, as nearly to reach the *Chanda* frontier; and I was informed that only one small *Purgunnah*, belonging to the *Berar Rajah*, intervened between this place and the *Nizam's* territory; through which a high road leads into the *Ellore Circar*.

THE hostilities which at this time existed between the *Nizam* and the *Mahratta* Empire, suggested to me the necessity of proceeding with caution, in passing the frontier of their respective countries; for, having no

pafs, nor public papers, to produce to the *Nizam's* officers, it was very uncertain in what manner they might receive me; or whether they would not refist my entering the territory of their fovereign. The *Purgunnah* I fhould firft enter upon, fubject to the *Nizam*, was *Chinnoor*; the capital town of which, bearing the fame name, is fituated on the north bank of the river *Godavery*. I was informed that this was the only inhabited place in the whole diftrict; for the *Zemeendar* who rented the country, having rebelled about feven years before, the *Nizam* had fent a large body of troops to fubdue him; but, not being able to get poffeffion of his perfon, had laid wafte the country, and had encouraged his vaffals to pillage it likewife. This warfare had continued about four years, when the refractory *Zemeendar* was at length betrayed by his own adherents, and murdered; after which all his ftrong holds were reduced. But the calamity occafioned by this fcene of rapine, and murder, fell heavielt upon the peasantry, who had all fled; and fought refuge in the neighbouring diftricts; and, for the laft three years, there had not been an inhabitant in the whole diftrict, excepting a few matchlockmen in the fort of *Chinnoor*.

As my route would not lay within thirty miles of *Chinnoor*, I had nothing to apprehend from that quarter; and the reft of the country being defolate, there was no body to obftruct me until I fhould have crofled the *Godavery*, and proceeded about forty *cofs* along the fouth bank of that river, which would bring me upon the *Rajah* of *Paloonshah's* frontier.

ASHRUFF ROW, the *Rajah* of *Paloonshah*, had likewife refifted the *Nizam's* government for many years; and at this time he barely acknowledged allegiance to him. Upon inquiring into his hiftory, character, and in what manner travellers who paffed through his country were treated, I was informed, that the old *Rajah* had left two fons, the eldeft of whom, who was only nineteen

nineteen years of age at the time of his father's decease, had succeeded him. That his territory consisted of two *Purgunnahs* from the *Cummun Zemcendary*, viz. *Paloonshah*, and *Sunkergherry*. He is a *Munsubdar* of the Empire, and holds the country as a *Jagheer*, on consideration of his maintaining a certain body of troops for the service of his sovereign. When the *Nizam's* government was effective in *Paloonshah*, all the roads were much frequented; but since the *Rajah* had been refractory, the roads were shut up; and several horse merchants who had attempted to pass through the country, of late years, had been either robbed of their horses, or the *Rajah* had taken them for much less than their real value. The only travellers who frequented this road at present, were the *Brinjaries*; and they were only permitted to pass on condition of paying certain duties; but even this the *Rajah* would not have allowed, but from an apprehension that the *Mahrattas* might encourage the wild *Goands*, who live in the hills on the north side of the *Godavery*, to plunder his country; as indeed they had formerly done; when the rapine and murder committed by them, had so much distressed the *Tillinghy* inhabitants, that they stood in the greatest dread of those savages ever since.

FROM these unfavorable accounts of the *Paloonshah Rajah*, I had little reason to expect that I should get through his country without trouble; which induced me to direct my attention seriously to the *Goand* hills and *jungles*, with a view to discover, if possible, some track through them into the Company's territory near the sea coast.

APRIL 26th. AFTER skirting along the east side of the *Seerpour Purgunnah*, I arrived near the town of *Bejoor*, within four *coss* of the hills and *jungles* that are inhabited only by the *Goands*. My information concerning the *Nizam's* country being at this place
fully

fully confirmed, I resolved to avoid it if possible. I understood that there was no regular road through the hilly country to the sea coast, but that the *Brinjaries* sometimes penetrate through it, and that they frequently go into the hills, with sugar and salt, to barter with the *Goands* for the produce of their *jungles*. The difference of latitude between *Ellore* and this place, being little more than two degrees, convinced me that the distance in a direct line could not be great. The route through *Chinnoor*, and *Palooshah*, I knew to be very circuitous, which was another reason for my wishing to avoid it: I therefore pursued every inquiry as to the disposition of the *Goand* chiefs who possess those immense ranges of mountains, with a view to attempt a passage through them.

THE districts adjoining to the eastern parts of the *Mahratta* territory, were at this time under *INKUT ROW*, a *Goand* chief, who had formerly been the principal *Rajah* in the southern parts of *Goandwannah*; and who held them as a *Jagheer* from the *Berar* government. I was told, that some attention would be paid to my pass throughout his territory, which extended a considerable way into the hills: That, upon leaving his frontier, I should enter the country of the *Bustar Rajah*. And, having a recommendatory letter to that chief, I concluded that his subjects would not materially impede my journey. As the distance in a direct line, from *Beejoor* to the sea coast, could not exceed one hundred and fifty miles, I had every reason to expect, that, on leaving *INKUT ROW*'s frontier, I should be enabled to reach the Company's territory in five or six long marches. I had resolved, moreover, to keep in reserve provisions for twelve days consumption, that, in the event of accidents or delays, in a wild country, and difficult road, we might not be distressed on this head; and should require nothing from the *Goands*; but to direct us in the track we were to follow. I entertained but little doubt of meeting

Brinjaries, who, for a handsome gratuity, might be induced to assist us, and possibly to conduct me through the *Buflar* territory; in which case I should be totally independant of the *Goands*; not conceiving that they would ever oppose me in open force.

APRIL 27th. WITH this plan in view, I entered upon INKUT Row's territory, and, after crossing the *Baungunga* river, encamped near the village of *Dewilmurry*, which is situated on its eastern bank. This was the most considerable *Goand* hamlet I had seen, and might consist of about fifty huts. An extensive spot of ground was cleared and cultivated around it; and beyond the village some lofty ranges of hills appeared to rise. The river is here a considerable stream, being augmented by the junction of the *Wurda* and *Wainy Gunga*, about three *cofs* to the north-westward of this place.

THE usual residence of INKUT Row is at *Arpilly*, about ten *cofs* distant from *Dewilmurry*, in a N. E. direction among the hills. He is a *furdar* of five hundred horse in the *Mahratta* service, and was at this time, absent in command of an expedition against the districts of *Edilabad* and *Neermul*, belonging to the *Nizam*: These are separated from *Chanda* only by a range of hills; the passes through which had been already secured, to prevent supplies of grain being carried into the enemy's country.

THE *Goands* had been so much alarmed on our approach, that they all fled out of the village; excepting two or three men who had been converted to the *Mahommedan* faith; and who no sooner perceived that we were travellers, than their fears subsided, and, after saluting us with the *salam aleicum*, they returned to take peaceable possession of their dwellings.

WE procured here as much rice as we required; and the *Goands* having given us forage for our cattle *gratis*, and readily provided us with guides for the ensuing day, I looked upon this as an auspicious omen to my passing through their hills and wilds without molestation. I made some inquiry into the nature of the track before us; but, not being able to understand their jargon, the result was little satisfactory. Their hospitable behaviour, however, encouraged me to proceed.

APRIL 28th. WE marched about fourteen miles, the road leading through a thick forest, in a narrow valley, to the village of *Rajaram*, where, soon after our arrival, several *Goands* who were intoxicated came out of their huts, making a great uproar. We encamped at a small *tank*, about half a mile from the village, leaving the savages to enjoy their inebriation. The guides, who had conducted us from *Dewilmurry*, went into the village, and brought us two men, one of whom spoke *Tellinghy*. The other, I was told, was a relation of *INKUT Row's*, and a man of some consequence; which indeed, from his appearance, I should not have discovered; for, excepting a small cloth round his waist, he was perfectly naked. A little courtesy soon induced him to supply us with some dry grain, such as *Raggy*, and Indian corn; and as far as I could understand, he feigned to regret that his country afforded nothing more acceptable to us. I made the *Goand* chief a trifling present, with which he appeared to be well pleased, and shewed an inclination to be much more communicative. This led me to question him concerning the *Bustar Goands*; when he informed me, that at a very short distance I should find them quite wild; and that even his appearance among them, with a white cloth on, was sufficient to alarm them; for they were all naked, both men and women. He said, that in the direction I was going, I should on the ensuing day enter the territory of another

Goand chief, who was nephew to *INKUT Row*, and who, in consequence of my *Mahratta* pass, would treat me with attention. Beyond this, I should fall in with a considerable river, called the *Inderowty*, and, after crossing it, should enter upon the *Bustar Rajah's* territory of *Bhopaulputtun*, where the people are very wild. This intelligence was very pleasing to me; for, not having met with any rice this day, I began to apprehend that I had been neglectful in not taking a larger supply from *Dewilmurry*, and now determined to avail myself of the first opportunity that might occur, to lay in as much as we could carry.

As I expected to meet with *Brinjaries* on my way to the *Inderowty* river, I had determined to wait there until I should have laid in more grain, and procured guides who might be depended upon, for conducting us through the mountainous wilderness between it and the Company's territory. The *Goand* chief readily furnished guides from this place; but requested that I would release them, on their being relieved by other guides, at the village of *Cowlapour*, which I should meet with about two *cofs* from *Rajaram*. This I faithfully promised to comply with.

APRIL 29th. WE proceeded towards the *Inderowty*, and found some *Goands* ready stationed at *Cowlapour* to relieve our guides. Perceiving likewise some *Brinjaries* in the village, I stopped to inquire of them how far distant the *Inderowty* river was; and if they thought I could reach it that day. They replied in the negative, and advised me to halt at the village of *Charrah*, and to proceed to the river on the ensuing day, where I should find some of their tribe encamped.

WITH this scheme in view I went on, and, the guides having been relieved, we moved on briskly. The path now became so slight, as to be barely perceptible,

ceptible, and the jungle almost impenetrable. The hills closed on both sides of us, and I had nothing but a prospect of the most impenetrable and mountainous wilds before me. Our guides frequently gave us the slip, and we immediately lost them in the woods; so that it was with difficulty we reached the village of *Charrah*. It was evident that the inhabitants we now met with, were more uncivilized than those we had seen on our first entering the *Goand* territory. The only two guides who had remained with us, delivered over their charge to the people of *Charrah*; who, however, refused to receive it; and shortly after, men, women, and children, in a body, deserted the village, and fled into the hills, and adjacent wilds. I was at a loss to account for their sudden departure; for, although some symptoms of dissatisfaction, or fear, had appeared in their countenances, on our first arrival, they could have no cause for such an abrupt proceeding. Our wants at this time were but few, and, in reality, consisted only in the necessity we were under of having guides to conduct us through this labyrinth of wilderiness; but how to procure one appeared an insurmountable difficulty, until chance threw two *Brinjaries* in our way, whom I prevailed on to remain with us, and accompany us to the next village on the ensuing day.

APRIL 30th. HAVING resolved this day to cross the *Inderowty*, and, if possible, to reach *Bhopaulputun*, we commenced our march early. The *Brinjaries*, who had not been detained without reluctance, and evident marks of fear, now supplicated earnestly to be released. I assured them that I would do so, as soon as a guide could be procured from the village of *Jafely*, which was said to be only three *cofs* distant, upon which they appeared to be somewhat pacified. I travelled on as usual a little in front; but we had not proceeded far, when one of the *Brinjaries* informed us, that if the whole party appeared at once, the inhabitants of the village would be alarmed, and would

certainly desert their habitations; by which our hopes of getting a guide would be frustrated: That, to prevent this, he would go on in front, with only one man, meanly clad, while the rest of the party should remain a little behind. With this scheme in view, the *Brinjary* proceeded; but had scarcely gone a hundred yards from a little hill close on our left, when he perceived a considerable body of men lying in a *nulla*, which run close under the end of the hill; and, upon our advancing, a discharge of about thirty or forty matchlocks, and many arrows, was fired upon us. This made us halt; and having only two *sepoys* with me at the time, three or four servants, and the *lascar* with my perambulator, I resolved to fall back to my party. Upon our retiring, the *Goands* advanced rapidly from the *nulla* and *jungle*; and a party of them made their appearance on the top of the hill. At this instant, fortunately, I was joined by a *naick* and four *sepoys* of my advance, and immediately formed them, priming and loading in a little space of open ground on our right. As soon as the *sepoys* had loaded, I would fain have parleyed with the savages before firing; but all my endeavours towards it were ineffectual; and as they continued to rush with impetuosity towards us, with their matches lighted, and arrows fixed in their bows, they received the fire of my party at the distance of about twenty yards; when four or five of them instantly dropped. This gave them an immediate check, and they ran off, hallooing and shouting, into the woods; carrying off their killed and wounded, all but one body; and leaving some of their arms, which fell into our possession. The rest of my people having by this time joined me, I directed a party of a *naick* and four *sepoys* to drive them from the hill: this they soon effected; after which, disposing of the small force I had with me, in such a manner as it might act to most advantage if again attacked, we moved forward, with the hope of reaching *Bhopaulputtun* that night.

NOTHING

NOTHING worthy of remark occurred until we came to the *Inderowty* river; where, not being able to find a ford, we were necessitated to encamp on its bank. I was the more vexed at this disappointment, as it prevented our leaving the territory of the *Goand* chief whose subjects had treated us with such inhospitality. The village of *Jafely*, which we had passed, appeared to be deserted; and upon looking into the country around me, I could only perceive about ten huts, which were likewise desolate. As the day closed, I discovered, with my telescope, three or four men with matchlocks, who seemed to be observing us from behind a rock on the opposite side of the river. They hallooed to us in a language which we could not understand; but the *Brinjaries* informed us, that they said we should not be allowed to pass the river, until they had received orders to that effect from *Bhopaulputtun*. To this I replied, that we had a pass from the *Mahratta* government, which I would send for the inspection of their chief next morning. In about an hour after, they hallooed again, inquiring whether we came as friends or enemies. I desired the *Brinjaries* to reply, that we were travellers who paid for what we wanted, and took no notice of any thing but our road. The sound of *tom-toms* soon after apprized us, that the *Goands* were collecting, which induced me to dispose of the cattle, and their loads, in such a manner as we could best defend them if attacked: But the sound ceasing, and perceiving no approach of the enemy, we laid down to rest under arms. About midnight, the noise of people paddling through the water, informed us of their approach. They appeared to be crossing the river about half a mile above us, and from the sound, I judged them to be in considerable numbers. I immediately directed all the lights to be put out, and enjoined a perfect silence. The night was exceedingly dark, which rendered it impossible for the *Goands* to see us, or we them, at a greater distance than twenty yards. I sent scouts to observe their motions,

motions, with directions to retire before them, should they advance; which they did not however attempt; and, after deliberating about half an hour, they went back.

FINDING the people of the country thus inhospitably inclined towards us, I conceived it would be hazardous to send a messenger to *Bhopaulputtun*; for, should he be detained, or put to death, we might wait in vain for an answer, until the numbers by which we should be surrounded would effectually cut off our retreat. The *Goands* appeared to be in full expectation of our attempting to pass the river, which they would no doubt have resisted; so that the only way to extricate ourselves from the present embarrassing situation, was to retreat as fast as possible by the road we had come. At midnight rain came on, which rendered the road very slippery for our cattle; but the weather clearing up at day break, we moved off in perfect silence.

MAY 1st. WE had proceeded about eleven miles, without being observed, when the discharge of some matchlocks apprized us, that the *Goands* were at no great distance; and on coming to the village of *Cowlapour*, through which our road led, we found about 300 of them posted in it, seemingly with a determination to dispute the passage. It was now about two o'clock in the afternoon, the sun bright, and, as usual at this season of the year, excessively hot. We had got back eighteen miles of our distance, and had yet eight more to go before we could reach *Rajaram*; at which place I was resolved to take post for that night. The rain had retarded the progress of my camels, but had proved beneficial in other respects; for the water having collected in the hollows of the country, enabled my people to slake their thirst, which the heat, and length of the march, would otherwise have rendered insupportable. Upon our arrival within
musket

musket shot of *Cowlapour*, I halted my party at a well, the only supply of water to the village; and desired my people to lose no time in refreshing themselves with a drink, and likewise to refresh the cattle. The *Goands* sent me repeated threats of the annihilation of my party, unless we could pay them a large sum of money; to which I replied, that I would pay nothing; they having no right to demand it: and I cautioned them against acting in defiance to the pass which I had in my possession from the *Rajah* of *Nagpour*; whose country I was in, and whose subjects they were. Upon this they demanded to see it, which I readily complied with; but none of them being able to read, they appeared doubtful of its authenticity. This parley engaged us for about an hour; when the people of the village growing thirsty, were necessitated to beg us to let them have access to the well; which, in hopes of pacifying them, we readily consented to; but they found the water had been drained by my people; who being now refreshed, I informed the *Goands*, that it was my determination to proceed immediately. To this they replied, that the son of their chief was arrived, who assured us, that if our pass was authentic, we might proceed unmolested to *Rajarum*; where it would be further investigated. This being all we required, we pursued our route, and encamped that evening, about five o'clock, at *Rajarum*; taking up our post at a tank. Here we found the *Goands*, who had been very friendly before, all armed, and huddled together in a few detached huts; but nothing, however, occurred to interrupt our repose during the night.

MAY 2d. WITH the commencement of the day we resumed our march; but had scarcely loaded the cattle, and moved off the ground, when a messenger arrived, desiring us to halt until the *Goand* chief of that part of the country should arrive; which he said would be in two or three hours. I replied, that what the chief might have to say to me, he could as well communicate

municate at *Dewilmurry* as at *Rajarum*; and so proceeded on; when the messenger, who appeared to be much surprized at our not paying obedience to the message, went off. About eleven o'clock we arrived at *Dewilmurry*; and, after crossing the river, encamped on the opposite shore, within the *Mahratta* territory. Our wants in grain having become very pressing, the people of the village cheerfully opened their shops, and supplied us abundantly with every thing we stood in need of.

WE had observed two or three men following our rear, all the way from *Rajarum*; but little suspected that it was the advance of the *Goand* chief's party, who had sent a messenger to us in the morning. He arrived about an hour after us at *Dewilmurry*, and immediately sent a message, requiring to see my pass. It was accordingly sent him; when he shewed every respect to it, and requested an interview with me, which was likewise agreed upon. He came about noon, escorted by his attendants, and, after mutual salutations, a conversation, through the medium of an interpreter, took place. He apologized much for the ill treatment I had received in his country; and expressed some satisfaction, that the people who had attacked me had met with their deserts. He assured me that he had no knowledge of my intention of going through his country, or he would have provided against any accidents of that kind; and was grieved for what we must have suffered in our retreat during such excessive hot weather. He concluded by expressing a hope that I would look over it, and not make any complaint against him to the government at *Nagpour*. I replied, that, not having sustained any material injury, and, as he expressed a great deal of contrition at what had happened, I should not prefer any complaint against him.

UPON inquiring his name, he told me it was LOLL SHAW; that he had lately come from *Nagpour*, to take charge

charge of his brother INKUT Row's *Jagheer*, during his absence with the *Berar Rajah's* forces on the *Nizam's* frontier. He then departed, requesting permission to visit me on the ensuing day.

THE *Mahratta Aumil* in *Dewilmurry* informed us, that it was very fortunate we had lost no time in our retreat; for, notwithstanding the friendly assurances of the *Goand* chief, all his vassals, and every neighbouring *Goand Rajah*, had been summoned to co-operate with him, for the purpose of plundering and cutting us off; and that if we had delayed but a few hours more, our retreat would have been almost impossible.

RAJAH LOLL SHAW came again this evening, according to appointment, and was escorted by a numerous retinue, with their pieces loaded, and matches burning. The salutation being over, I inquired of him as to the nature of the country through which it was my intention to have proceeded, by *Bhopaulputtun*, to the Company's territory. He candidly informed me, that I had done well in returning; for that the road, to my party, would have been almost impracticable. He described the country as being very mountainous, and full of passes which are exceedingly steep: that the only travellers who ever venture through it, are a few *Brijaries*, who experience the greatest difficulties in their progress through these wild regions: that the inhabitants are of a more savage nature than any others of the *Goand* tribes; both sexes going naked, and living entirely upon the produce of their woods: that even the people in his country, who, by communication with the *Mahrattas*, had become in some degree civilized, eat grain only during three months of the year, and subsist on roots, and fruits, during the remaining nine months. That after passing *Bhopaulputtun*, we should not have been able to procure grain for our subsistence, and should have

have found no other road than a slender foot path, in many places almost impervious: that the wild *Goands* moreover would have continually harassed us, and we must have been frequently bewildered for want of a guide.

FROM what information I could collect, it did not appear that the want of grain in the hills, and forests, between us and the *Circars*, proceeded from any deficiency in the soil, for the trees which grow in it are large and flourishing; but, from the unsettled nature of the wild inhabitants, to whose minds a predatory life is most agreeable; and while they find sustenance to their satisfaction, produced spontaneously by nature, they do not feel the necessity of toiling for greater luxuries. Being unacquainted with any greater enjoyment than that of roving in their wilds, as their fancy directs, they consider the occupations of husbandry and agriculture as superfluous, and not necessary for their welfare.

LOLL SHAW likewise informed me, that the *Goands* beyond his country had no matchlocks, which his people had been taught the use of by the *Mahrattas*; but they were all provided with bows and arrows; that they usually fix the bow with their feet, directing the arrow and drawing the cord with their hand, and throw the arrow with precision to a considerable distance.

I computed that LOLL SHAW's party might amount to 500 *Goands*, most of them large and well made men. Upon comparing them with the *sepoys*, they appeared in no wise inferior to them in stature, but very black; and I was informed that the *Mahrattas* considered them as better soldiers than even the *Rajepoots*. In the little skirmish I had with them, I saw no reason to think so; but if I had had to contend with LOLL SHAW's men, who were certainly better armed than those who had attacked us, I might perhaps have found them a more formidable enemy.

I HAD now no alternative in proceeding to the Company's territory, but to go more to the southward, by the road I have mentioned before, as leading, through the *Paloonshah Rajah's* country, into the *Ellore Circar*. Upon inquiring of LOLL SHAW if he could give me any information as to the situation and views of that chief, he replied, that he was then at variance with the *Nizam*; but having once seen his *Dewan*, and being on terms of friendship with him, he offered to give me a letter recommending me to his care and attention. A more agreeable proposal he could not have made, and I thankfully accepted his offer; but the *Goand* chief being unable to write, some delay occurred before a man was found who could write in the *Tellinghy* character: he then dictated the letter, and having affixed his seal to it, delivered it to me.

LOLL SHAW having voluntarily done me a kindness, I thought some acknowledgment would be proper on my part. He had been very curious in examining the arms of the *sepoys* who were standing around me, and expressed much surprise at the instantaneous manner in which he had seen them discharged. I took this opportunity of presenting the chief with my fowling-piece, which being fired before him, he received it with every mark of gratitude and satisfaction, and said, that it should be kept in his family, as a friendly memorial of the *Fringhys*; (Europeans;) and added, that I might rest assured his *Goands* would never more offer me any molestation. The interview had now lasted five hours until ten at night, when he rose up to take leave, and assuring me of eternal friendship, departed.

MAY 3d. We returned to *Beejoor*, where we fell in again with the high road, and proceeded the same

day to *Nuggong*. The *Mahratta Aumil* at *Beejoor* readily relieved our guides, and congratulated me on my escape from the mountains and *jungles* in which, he said, so many of his people had been lost, and never more heard of. He informed me, that even the *Brinjaries*, who never ventured among these *Goands*, until the most solemn protestations of security were given, had in many instances been plundered. The *Berar Rajah*, however, was much indebted to these travelling merchants for having conciliated, and, in some degree, civilized a number of those wild people: for the traffic which they carry on among them, particularly in salt and sugar, had introduced a taste for luxuries, which many of them now could not easily dispense with. This had also induced them to be more industrious in collecting the produce of their *jungles*; such as lac, iron ore, and other articles for barter; and had necessitated their affording protection to the *Brinjaries*. In the course of this traffic, which had now lasted about twenty-five years, the desire of the *Goands* for salt and sugar had considerably increased; and tended more to their civilization than any other means: for before they had tasted or acquired a relish for those articles, no man could venture among them; and he assured me, that it had a more powerful effect than the whole force of the *Mahratta* arms, in rendering them obedient to their government.

Soon after leaving *Beejoor*, we began gradually to descend, and on our arrival at *Nuggong*, we found the country so parched, that forage could not be procured; which compelled me to feed my cattle on the leaves of the *Banyan* tree,* and to increase their allowance of dry grain. The price of grain had very much increased since we had left *Byragur*; but was not now to be bought at more than eight seers for a rupee. A report having reached this place, that, in

* *Ficus Bengalensis*.

the skirmish between the *Goands* and my party, some hundreds had fallen on both sides, the inhabitants had, in consequence, taken the alarm; and it was not until I had produced my pass, that any of them would come near us.

MAY 4th. WE proceeded to *Ewunpilly*, a *Mahratta* post, on the south-east frontier of the *Berar Rajah's* country, at which place, in a small mud fort, were stationed about 200 horse, and some men with matchlocks. The alarm, which, on our approach, appeared to pervade them, was such, that they immediately retired into the fort; where they secured themselves. I allowed my camp to be pitched, and waited till we had all taken some refreshment, before I sent my pass for the inspection of the commanding officer. My *Moonshce* being then deputed with it, was refused admittance into the fort; and the *Mahrattas* threatened to fire upon him if he did not immediately retire. He told them, that he had come without arms, and with only a paper to shew to any of their party who could read; upon which, after some little hesitation, they allowed him to come to the gate. When they had inspected the pass, they said it was a very old one, and declared that it must be a counterfeit; for, *from what part of the English territory could I have come?* They then very angrily told the man to go away, and to give them no further trouble. I was much vexed at their inhospitable conduct, and sent him once more to reason with them upon the consequences of acting in defiance to the order and seal of the *Berar Rajah*; and to tell them, that if they would not comply with the terms prescribed in it, I should wait at *Ewunpilly*, and dispatch an account of their conduct to the *Subahdar of Seepour*, who resided only at the distance of ten *cofs* westward. It was not, however, until several hours had elapsed, that they could be persuaded we were not an enemy: but towards noon, they came out of the fort, and by the evening were quite pacified. At this time the *Mahratta* officer on command came
to

to pay me a visit. I chided him for his alarm; to which he very reasonably replied, that circumspection in his situation was but proper; for, as the *Nizam* had many *Fringhys* in his service, how was he to know that I was not one of them. As it was not my interest to enter into further altercation with him on the subject, and his fears seemed to have subsided, I began to interrogate him concerning the extent of the *Mahratta* territory to the southward; and asked him if he would venture to recommend me to the care and attention of the *Nizam's* officers in the adjoining district of *Chinnoor*. He replied, that the *Mahratta* territory extended only three *coss* further; and that his *Rajah* being then at war with the *Nizam*, he could not venture to enter into any correspondence with his people. He then confirmed the accounts I had before received, of the whole district of *Chinnoor* being desolate.

HAVING now no other alternative, but to proceed by that route; and reflecting on the frequent instances in which I had been distressed for want of guides; I instructed some of my people to endeavour to get three or four intelligent men, who should engage to accompany us to *Ellore*, or *Rajamandry*; and to promise, at the same time, that they should be paid very largely for it. I considered that if the *Paloonshah Rajah* should prove hostile, nothing but this would enable me to push through his country with rapidity, or any tolerable success. The difficulty of our situation seemed indeed to be impressed upon the whole party, and every man in it appeared to interest himself in our mutual welfare. They cheerfully submitted to such hardships as the necessity of the case required, particularly in agreeing to carry grain through the wilderness we had to traverse. Three *Mahratta Brinjaries* were at length prevailed upon to conduct us to *Rajamandry*; whose demands for compensation were enormous; yet I was necessitated to comply with them; and the *Mahratta*

officer in command, being applied to for the responsibility of their conduct, said he would answer for their fidelity.

MAY 5th. HAVING now supplied ourselves with grain for seven days, we resumed our journey. The road led along the west bank of the *Baun Gunga* river, through a very wild country; and we had no sooner passed the *Mahratta* boundary, than we entered a thick forest. The mountains appeared to come close down to the east bank of the river, and every prospect I had of them seemed to coincide with the accounts I had received of the wild country in that quarter. Soon after crossing the confines, I heard the sound of *tom-toms* for a considerable distance, which was evidently a signal of alarm; and as we proceeded, the ruins of several villages occurred. About eleven o'clock, the sun being intensely hot, and there being no water near the road, I was under the necessity of halting, until my people, and cattle, could be refreshed with water from the *Baun Gunga*. That river was in general from half a mile to a mile from the road, but being separated from us by a thick forest, it was with difficulty we could penetrate to it. Having proceeded about seventeen miles to the ruins of the little village of *Unnar*, I halted at that place, until three in the afternoon. The extreme heat of the day would have induced me to halt here for the night; but it was necessary to proceed, and to cross the *Godavery* before dark, in order that the *Nizam's* people might not have time to obstruct our passage. The road continued gradually descending, and the soil was now wholly rock and coarse sand. Upon our arrival near the *Godavery*, I discovered a large fort upon an eminence, at the confluence of the *Baun Gunga*; and with my glass could perceive a white flag. The sound of *tom-toms* soon after apprized us, that although the villages were deserted, the woods were full of men; and that the people

ple at their alarm posts were on the watch. On coming to the river, we discovered several small parties of matchlockmen scattered along the sands in its bed. I halted to collect my party, and finding the stream very shallow, we crossed over without molestation, and encamped in a clear spot of ground on the southern bank.

I MIGHT now be said to have entered upon that part of India which is known by the name of *Tellingana*, the inhabitants of which are called *Tellinghys*, and speak a language peculiar to themselves. This dialect appears to bear a strong resemblance to what, in the *Circars*, is called *Gentoos*.

AFTER the heat of the day, and length of the march, our situation close to the river had a very refreshing and pleasing effect. I was highly delighted with the romantic view which the confluence of the *Godavery* and *Baun Gunga* rivers now presented. I could see quite up to the fort of *Suruncha*; and an opening beyond it likewise shewed the junction of the *Inderowty* river with the latter. The blue mountains, and distant forests, which terminated the prospect, rendered the whole a very sublime and interesting scene.

THERE is here a small *Pagoda* sacred to the *Hindoo* goddess *Cali*, situated on the north-east bank of the river, at the confluence; which imparts its name to this passage over the *Gunga Godavery*, called *Calisair ghaut*; and annually draws a great concourse of pilgrims, who, from ideas of purification, come to wash in the waters of the confluent streams.*

THE bed of the *Godavery* at this *ghaut* is about a mile in breadth, and consisted at this season of a wide expanse of sand. The quantity of water, where we crossed

* The confluences of all the principal rivers throughout *Hindoostan*, as well as their sources, are places of *Hindoo* worship and superstition; and to these many thousands of pilgrims annually resort.

crossed it, was inconsiderable; being divided into four or five little streams, the sum of whose widths did not exceed one hundred feet, and was no where more than fifteen inches deep.

MAY 6th. We commenced our march along the western bank of the *Godavery*. On passing the ruins of the town of *Calisair*, I could perceive the remains of an old fort, a mosque, and a *Mussulman's* tomb. I was informed that this place had been the residence of the *Nizam's* officer who had formerly been intrusted with the charge of the district of *Chinnoor*; and who having joined the *Zemeendar* in resisting the *Nizam's* government, had afterwards fallen a victim to his treachery. My march this day was through a thick forest, gradually descending the whole way; and terminated at a fort, around which there had formerly been a considerable town, called *Mahadeopour*; but which, excepting a small number of armed men, and a few miserable *Tellinghy* inhabitants, appeared now to be desolate. The fort had a double rampart and *fosse*, and had evidently been a place of some strength. The innumerable marks of cannon shots on the walls, indicated that it had stood a siege, and had also made a considerable resistance. We had no sooner encamped, than a man came out to inquire for news of the *Nizam's* and *Mahratta* armies, and what was likely to be the issue of the war; but not finding his curiosity gratified, he returned.

MAY 7th. AFTER leaving this place, we proceeded twenty-three miles, and encamped near a well on a small spot of open ground in the *jungle*. Many deserted villages occurred on the march; and the road was for the most part over a heavy sand, without a drop of water near it. The periodical rains having failed in this part of the country for several years,

the tanks, wells, and reservoirs, had mostly dried up, which rendered the heat and length of our journey this day the more distressing. The extreme thirst of my people and cattle soon exhausted the little water we found in the well, and the river being five miles distant, and separated from us by a ridge of hills, was consequently out of our reach. Luckily the guides whom we had brought from *Ewunpilly*, and who had frequently travelled this road, informed us, that about the distance of a mile, there were a few *Goand* huts, the inhabitants of which were supplied with water from a spring. We set out immediately in search of it, and, to our great joy, found it was not dried up; and, on digging a little in the sand, abundance of water flowed out.

MARCHING at this season, in the heat of the day, oppressed us exceedingly; but the unsettled state of the country, and the probable risk of being attacked, rendered it unavoidable. Although the road was a beaten one, and tolerably clear of brush-wood, yet the forest on each side being excessively thick, might, if we had moved in the dark, have enabled an enemy to come upon us unawares: whereas, by travelling in the day, and taking our ground in a clear spot, we were always in a situation to defend ourselves with advantage. The women and children who had accompanied the *sepoys*, and who, at the commencement of our journey, had been accustomed to ride, were now, from the reduced state of the cattle, compelled to walk. They appeared, however, to be fully impressed with the necessity of the case; and although they would have suffered less by travelling in the cool of the night, yet they must have created considerable confusion, in case of an attack at that time; exclusive of which considerations, the day-light was essentially necessary to my geographical pursuits.

MAY 8th. WE reached the *Paloonshah Rajah's* frontier; and our journey terminated at the village of *Etoor*, where we fell in once more with the *Godavery*.

MAY 9th. PROCEEDED to *Naugwarrum*. When we came within two miles of this place, the beating of *tom-toms*, and blowing of horns, again apprized us of an armed force being in the woods. Our guides informed us that it was the alarm posts of CUMMUNY BOOEY, a *Zemeendar* of *Naugwarrum*, and vassal to ASHRUFF ROW, the *Rajah* of *Paloonshah*. They advised me to proceed with caution; and, being known to his people, they proposed to go on first, and inform them who we were. I halted to collect my party; and soon after one of the guides, who had gone forward to the village, returned with an account that the people would not credit a word he had said, but had abused him; and that the inhabitants were all armed, and assembled to oppose us. Having no alternative but to proceed, I advanced with my party, and took a circuit by the river to avoid the village. The rest of my people followed in the rear; and as we did not pass within reach of their fire arms, they continued to gaze at us without attempting to offer any hostility, or to quit their post. We then took up our ground on the bank of the river; and as soon as the camp was pitched, I advanced with two of our guides, and a few of the *sepoys*, towards the village. We beckoned to some of the villagers to come forward, when a few of them came out to meet us, and finding we were not enemies, their alarm immediately subsided. They informed us that the reason of their keeping up these posts was to be on their guard against the *Goands*, who, at this season, while the river is low, sometimes take the opportunity of crossing, and surprizing them in the night. The rapine and murder which they had suffered by these sudden attacks, kept the *Tellinghys* in constant alarm.

THIS afternoon, perceiving a little eminence, not far from our camp, which seemed to present a favorable situation for viewing the country, I went to it; and was much gratified with a prospect of about fifteen miles of the course of the *Godavery*. Immense ranges of mountains, and forests, appeared to extend from *Suruncha*, along the east side of the river, to the quarter opposite this place; and thence to the south-eastward as far as the eye could reach. The wild scenery which now presented itself, and the rugged appearance of the mountains, made me reflect with satisfaction on having relinquished the attempt of penetrating through a country, where every imaginable difficulty and danger must have been encountered; and in which, perhaps, our whole party would have been cut off.

OUR guides, who, in consideration of the very large recompence I had offered them, had undertaken to conduct us into the *Ellore Circar*, were now exceedingly cautious of shewing themselves in the villages; and whenever grain, or any other article, was to be purchased, it was with the utmost reluctance that they could be persuaded to interpret and deal for us with the *Tellinghys*. They alledged, that should they be recognized, they would undoubtedly, on their return, be seized and put to death.

AT *Etoor* we met some people, conducting about forty carts loaded with cotton, who, we were told, had come from *Chanda*; and were proceeding to the manufactories at *Maddapolloom* in the Company's territory. Their cattle having suffered much from the heat, and want of water, they had halted at this place to refresh, previous to the continuance of their journey. It was pleasing to meet with travellers subject to our own government in this inhospitable country; and this circumstance evidently shewed, that the road had long been frequented. I was informed, that
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in seasons when water and grain are in abundance, the *Brinjaries* frequently pass this way from the sea coast to *Chanda*.

MAY 10th. I PROCEEDED to *Mangapeit*, which is the head of a small *Purgunnah* bearing the same name, and is the residence of the *Paloonskah Rajah's* officer NARRAIN ROW. This is a large village, situated close on the west bank of the *Godavery*, and has a little mud fort in the middle of it. On coming to this place, we perceived a considerable body of armed men, who, soon after our arrival, appeared extremely hostile, and uttered a variety of threats against us, of imprisonment and destruction to the whole party. My followers were much intimidated thereby; but, to prevent the panic increasing, I ordered the camp to be struck, and prepared for battle. The effect of this was very visible in the immediate alteration of their conduct towards us; and the altercation ended by an interview with NARRAIN ROW. He was much surprised at the prelude to our conversation, by my presenting him with the letter from LOLL SHAW; and had no sooner perused it, than our affairs began to wear a better aspect. Being a *Tellinghy*, and speaking no other language, we could only converse through the medium of an interpreter; from whom I soon understood, that he proposed to purchase my *Toorky* horse. I answered, that I was not a merchant, and could not assent to his proposal. He then said, that such a fine animal had never come into his country, and begged to know if I would part with it upon any other terms; as he wished to present it to his young *Rajah*, who was very fond of horses. Upon this my interpreter informed him, that I could give no positive answer for the present; but that if he would send a respectable man with me as far as the Company's territory, which I hoped to reach at furthest in seven days, I should then have less occasion for the very useful services of the animal, and might feel less reluctance to part with him

him. Finding he could not prevail on me to sell him the *Toorky*, he then tried to purchase a little horse belonging to the *Jemadar* of my escort, and one of the *sepoy's* tattoos. As the animals were much reduced, and a good price was offered, bargains were very near being concluded; when conceiving it might create a suspicion of our being on a trading concern, I immediately put a stop to the traffic; and as they did not offer any impediment to my proceeding, I ordered the cattle to be loaded, and we moved off, leaving NARAIN ROW and his people somewhat disappointed.

THE mountains continue close down to the east side of the *Godavery*, opposite this place; and the wild inhabitants sometimes extend their depredations into the country on this side of the river. The *Tellinghys* detailed to us some horrid acts of barbarity that had attended the pillaging of their village by the *Goands*: these, they said, were always committed by secret nocturnal expeditions; in which the mountaineers had frequently eluded the vigilance of their alarm posts, and surprized the villagers while at rest; and neither the defenceless persons of women, or children, had, in such cases, escaped their savage fury. Their weapons are bows and arrows, hatchets, and lances.

HAVING afterwards heard of a people, who, in the Northern *Circars*, are called *Coands*, and whose depredations into those provinces are attended with similar acts of cruelty, I naturally conceived them to be the same tribe; but, in a conversation with CUMAU MAHUMMED, the officer in charge of the *Mahratta Purgunnah* of *Manickpatam*; and who appeared to be well acquainted with the different tribes of mountaineers subject to the *Berar* government; he informed me, that these are a different race from the *Goands*. The latter, he said, are much larger men, and had,

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in many instances, been made good subjects; but the *Coands* are inferior in stature, and so wild, that every attempt which had been made to civilize them had proved ineffectual. I never indeed met with a people who shewed less inclination to hold converse of any kind with strangers, than these mountaineers in general. This disposition in a great measure frustrated every attempt I made to acquire information of their manners and customs; among which the sacrifice of birds, by suspending them by the tips of their wings to the trees and bushes, on each side of the road, and leaving them to perish by degrees, was almost the only peculiar one I could discover. The cause of this cruel practice I never could learn; yet I frequently observed, that although the birds were suspended at a convenient height for travellers to pass under them, the *Goands* would never do so; but always took a circuit to avoid them. I once observed a ram extended by the feet in the same manner. Their food appeared to be the most simple imaginable, consisting chiefly of the roots and produce of their woods. They go for the most part naked; and when pinched by cold, they alleviate it by making fires, for which their forests supply them with abundance of fuel; and when the heat of the sun becomes oppressive, they seek shelter, and recline under the shade of large trees.

MAY 14th. HAVING met with no molestation, during the three preceding marches, we arrived this day at *Nainpour*; where we encamped in a tope of *Palmyra** trees, close to the west bank of the *Godavery* river, and opposite to the town of *Badrachill*. At this place, the *Rajah* of *Paloonsah* collects taxes upon all goods passing through his country by this road; and there were at this time about two hundred *Hackerys*,† and a prodigious number of bullocks, detained, until the duties

* *Borassus Flabelliformis*. † Country carts.

duties on the goods which they carried should be assessed, and paid. This amounted to not less than twenty-five *per cent.* The merchandize was cotton, which the *Mahrattas* were exporting into the *Circars*; in exchange for which commodity they usually import salt, and coco nuts, into *Chanda*, *Nagpour*, and other parts of *Berar*.

THE hills which border the east bank of the *Godavery*, from *Mangapeit* to this place, are of a moderate height; and the mountains appeared now to retire about seven miles inland. The space between the two ranges is covered with a thick forest.

THERE is a *Pagoda* at *Badrachill*, sacred to *SETA*, the consort of *RAMA*. The worship of the goddess is in high repute at this place; and vast numbers of pilgrims resort to it. The temple is situated on a little hill about forty feet high; but is meanly constructed. I was informed that the *Rajah* of *Paloonshah* had recently presented a small golden idol, or *moorut*, to it. The town is situated about 200 yards to the southward of the *Pagoda*, close under another little hill, and consists of about one hundred huts, in the middle of which was a tiled habitation, said to be the abode of the principal *Brahmen*; and the whole is surrounded by a thick *jungle*. From the great reputation of this place, I expected to have found a more considerable town, and was therefore much surprized at its mean appearance.

Soon after our arrival, the man in charge of the post came to our encampment, and proposed to purchase the horses and camels. To this he received a severe rebuke, and was told that we were not merchants. Finding, after many fruitless attempts, that none of the cattle were to be sold, he then began to assess duties on them; which necessitated my giving directions for his being turned out of camp. After this,

this, we had no further intercourse with him; but it was evident that he had dispatched several expresses to *Paloonshah*, with information concerning us, as NARRAIN Row, I afterwards found, had done from *Mangapett*.

MAY 15th. AT day-break we moved off, in high spirits, at the prospect of the speedy respite which our arrival in the Company's territory, in three days more, would give to our toils. I had observed, since our entrance into the *Paloonshah* *Rajah's* territory, many *Teak* trees;* but none from which timbers of large dimensions could be formed. Being told that we should not meet with any more after this day's march, I was giving directions to a *las-car* to cut half a dozen sticks, when a horseman rode up to me, and said, that I should do well to return and encamp; for the *Rajah* having heard of my entering his country, had sent a *Vakeel* to know by what authority I had presumed to do so. I asked him his name and occupation. He replied, that his name was MORTIZALLY, and that he commanded a body of *Tellinghys* in the *Rajah* of *Paloonshah's* service; a party of whom would soon arrive with the *Vakeel*. I expressed much aversion to countermarch any part of the distance I had come that day, and proposed to proceed, and encamp at the first convenient spot where water and forage could be procured; and to wait there for the arrival of the *Vakeel*. After some altercation this was agreed upon; when we proceeded about two miles further, and encamped at a small village called *Poculapilly*.

IN an hour after, the *Vakeel* arrived, attended by about fifty armed men. He informed me that he was deputed by the *Rajah* of *Paloonshah* to ascertain who I was, and to inquire by what authority I was passing through his territory. I shewed him the *Mahratta* pass,

* *Tectona Grandis*.

pass, which would precisely afford him that information. He desired I would give him the papers; and if I had any pass from the *Nizam*, that I would likewise deliver it into his hands; in order that they might be forwarded for the inspection of the *Rajah*, whose pleasure would soon be communicated, regarding me, and my people. I replied, I had no pass from the *Nizam*, but that he might have copies of such of my papers as he had seen; and added, that being within two days journey of the British territory, and my business urgent, I hoped the *Rajah* would not detain me unnecessarily; but would allow me to proceed as soon as possible. The *Vakeel* then retired with my *Moonshce* to copy the papers, assuring me that I should have an answer before night.

MATTERS remained in this state until about four o'clock in the afternoon, when I received information that a large body of men were posted at the pass of *Soondpilly Gundy*, through which our road was to lead, with orders to resist us in case we should attempt to force our way to the Company's frontier. The accounts of this force varied from one to three thousand men. I had resolved to wait the result of the *Rajah's* inspection of the copy of my *Mahratta Purwannah*, before I should determine upon any other plan of action; and knowing that I had not done his country, or any of his people, the least injury, and that he could have no just plea for molesting me, I was not without hope that he would let me proceed. In a few minutes after, the sound of horses' feet induced me to look out of my tent; when a body of horsemen instantly galloped in between the tent ropes. My people were at this time reposing in the shade, during the heat of the day, all but two sentries, who were on guard, and who immediately on the alarm came running to my tent. I dispatched a man to call the *Vakeel*, while the *sepoys*, who were very alert, got under arms; and I soon joined them with the other two men being prepared for the worst that could happen.

now desired the horsemen to retire, and inquired the meaning of their intruding upon us in so abrupt a manner. The man who commanded came forward, and said that he had his *Rajah's* orders to take me to *Paloonshah*. At this instant the *Vakeel* arrived. I asked him the meaning of these measures, after matters had been adjusted on the faith of his word, and I was waiting till the *Rajah's* pleasure should be made known to me. I requested, that, to prevent hostilities commencing immediately, he would order the horsemen to fall back. He advanced towards them for that purpose, which gave me an opportunity of ascertaining their number; when I counted twenty-five, all well armed and mounted; but in their rear was a large body of infantry, many of whom were armed with European muskets and bayonets; and the whole might have amounted to three hundred men.

HAD this been all the force they could have brought against me, I should have paid very little attention to the *Rajah* or his people; but if this body should annoy us in the rear, and I had had to force my way through the pass of *Scondpilly Gundy*, it was not probable, that, with my small escort, consisting only of thirty-two firelocks, I could have come off without the loss at least of my baggage. As the *Paloonshah* district joined to the Company's territory, it impressed me strongly with the idea, that when it should be ascertained that I was a servant of the *British* government, the *Rajah* would not venture to do me any material injury, unless my conduct should justify it by first commencing hostilities.

THE horsemen being now retired, the *Vakeel* came back, and begged that I would be pacified; upon which I ordered the *sepoys* to sit down with their arms, and went with a small party to my tent. The *Vakeel* then explained to me the cause of the sudden appearance of the troops. It had been occasioned, he said, by a report which had reached *Paloonshah*, of my having;

to the *Rajah*. When arrived within six miles of *Palooshah*, a range of hills seemed to close upon us, and we came to the top of a very considerable acclivity. I now found that we had been deceived in the distance; for instead of five *coss*, as they had told us, it proved to be sixteen miles. The sun began to be intensely hot, and the thirst of my people became almost insupportable. At the top of the pass were several batteries for the defence of this approach to *Palooshah*; and we perceived a circular cavity, which fortunately proved to be a *Bowlie*, that had been sunk, in this elevated region, for supplying the post with water. Many of the party, with a view to slake their thirst, descended into it. The descent was by a set of circular steps, of which they counted one hundred: These being rudely formed, and about two feet each in depth, rendered the approach to the water so difficult and laborious, that several of the men were induced to return before they had gone half way; and those who had reached the bottom, found themselves but little benefitted by it, after the fatigue of re-ascending. I computed the depth of the well to be at least 180 feet.

FROM this place we began to descend by a road, in some parts easy, and steep in others; though in the aggregate the descent was very considerable. Our march having hitherto been in a thick forest, the prospect of the town and fort of *Palooshah*, situated in a rich and luxuriant valley, now became very pleasing. We passed a barrier which defends the approach to the town, and consists of a strong rampart, faced with masonry, which is connected with the hills on the east side of it. A narrow and rocky defile, winding round the west side of the rampart, is the only entrance to the valley.

WE advanced to a very fine mango grove, and halted under the shade of the trees until the *Rajah* should be made acquainted with our arrival; and a place

a place pointed out for us to encamp on. This gave me an opportunity of observing the west side of the town and fort, which were now only half a mile distant. A man soon arrived, and shewed us a spot to encamp on, which was about a mile further to the south-eastward, in a mango grove, and near the bank of a rivulet in which a little stream was flowing. This cool and pleasant situation, with the romantic appearance of the hills, which rose immediately behind us, dissipated in a great measure the disagreeable reflections which had been caused by our compulsory visit to this place.

WE had no sooner encamped, than the *Rajah* sent MORTIZALLY to congratulate me on my arrival, and to express his solicitude for the inconvenience I must have suffered from the heat; likewise to inform me, that when I should have refreshed myself, and taken some repose, he would send people to inquire into the reason of my coming into his country, and ascertain who I actually was. No further occurrence worthy of remark happened during the rest of the day; excepting the posting of a body of about 500 men between us and the fort; I was therefore at leisure to direct my attention to the scene around me.

THE valley in which *Paloonshah* is situated, is about four miles wide, and, notwithstanding the failure of the periodical rains, had every appearance of verdure and fertility. The fort is a square of about 300 yards, and has a large round tower at each angle. The entrance to it is on the east side. The rampart is faced with masonry, and is surrounded by a deep dry ditch. It is well covered with a glacis, and may be considered as a place of some strength. With my telescope I could perceive some large iron guns in the embrasures; which, the *Rajah's* people said, were twelve pounders that he had brought from *Mafulipatam*.

patam. The *Rajah's* dwelling is a small *Hindoo* *stanny* house, the top of which I could see above the walls. The town was by far the largest I had seen since leaving *Chunarghur*, and appeared to be very populous. It is at least two miles in circumference, but consists, for the most part, of poor *Tellinghy* huts. The valley is surrounded on all sides by lofty ranges of hills, the passes through which are the only accesses to *Paloon-shah*.

SOME of my people, who had been admitted into the arsenal, reported that they had seen a manufacture for matchlock guns, *jinjalls*,* spears, sabres, and every species of weapon commonly used by the natives. The *Rajah* had likewise a train of six brass field pieces, which, with their limbers and tumbrils complete, appeared to be well taken care of.

IN the evening the *Vakeel*, accompanied by three or four well dressed men, came to my tent. He detailed a number of incidents relative to the desperate situation of the *Fringhys* in the *Circars*, and represented the removal of the troops about that time from *Ellore* to *Masulipatam*, for a more healthy situation, as a defeat and flight, previous to embarkation; and the return of the two battalions from *Hydrabad* as a certain omen of destruction to the British interests in that part of India: and he concluded by informing me, that it was the *Rajah's* intention to send the whole of my party to *Hydrabad*. Finding these schemes to intimidate me had not the desired effect, and that, as I was acquainted with the *Nizam's* capital, and the characters of his principal officers, I had no objection to march towards it the ensuing morning, their astonishment was so great, that they immediately departed to make a report thereof to the *Rajah*.

TOWARDS night, we repeated the precaution we had taken for our defence, on the preceding evening, at *Pocullapilly*. This created a great alarm, and they immediately

* A wall-piece, carrying a ball of near a pound weight.

immediately reinforced the parties that had been stationed to guard the avenues to the fort. The whole of the troops which were now applied to this purpose, could not be less than 1500 men; which shewed that, notwithstanding their great superiority in numbers, the *Rajah* was under no small apprehension at our situation so near his fortrefs. The whole night however passed without any alarm.

MAY 17th. THIS morning the *Vakeel* came to me with a request, that I would send my *Toorky* horse, and three sheep which I had brought with me from *Chunarghur*, for the *Rajah's* inspection. This I readily complied with; and at the same time demanded an interview with the *Rajah*, and permission to depart; alledging, that my business was very urgent, and would admit of no further delay. In about an hour the horse was returned, with a very polite message from the *Rajah*, expressing how much he had been gratified by the sight of so beautiful an animal; and requesting to know if any thing would induce me to part with him: but as the evening had been appointed for the interview, I deferred returning an answer until that period should arrive. In the mean time the *Rajah* had detained my sheep, which, having tails, were considered here as great curiosities; and had sent me three others in return, the produce of his country, on whom nature had not bestowed that curious appendage. The man who had taken charge of them, having intimated that we were badly off for forage, about fifty bundles of grafs were immediately sent to us.

TOWARDS evening the numerous concourse of people who assembled round the fort, with all the cavalry that could be mustered, and two elephants caparisoned with scarlet, and carrying *howders*, announced to me the preparation for an interview with the *Rajah*. My

tent having been appointed for the place of meeting, I was apprehensive that so large a body of people would incommode us exceedingly; but was soon relieved from this apprehension by a message from the *Rajah*, desiring that the interview might take place in a garden, at a small distance from our encampment, called *Khaufsbaug*. This was a very pleasing circumstance; and soon after the whole cavalcade passed my tent, the horsemen *manoeuvring* and displaying their agility. The noise of drums, horns, and trumpets, was immense. The *Rajah* was mounted on a very fine elephant, preceded by a small one, which they told me carried the water of the *Ganges* before him.* The multitude had no sooner passed, than I followed with about fifty attendants; and upon my arrival at the garden, I found the *Rajah* and his people had just dismounted. The crowd having opened to admit me, I found him seated in a Chinese chair, with a number of good looking and well dressed men around him. He rose up to salute me, which I returned, and seated myself likewise. He appeared to be a handsome young man, about twenty years of age, and was very elegantly dressed. He began by putting many pertinent questions to me concerning *Hydrabad*, the *Nizam*, his minister, and the principal officers of his empire; with a view to find out if what I had asserted the preceding evening was true. My answers convinced him that I was much better acquainted with the *Nizam's* court, and with the characters of his principal officers, than he was; and particularly with the history of *DHOUNSAH*, the officer who formerly possessed the *Nizam's* *Purgunnahs* of *Neermul* and *Edilabad*; and who had almost ruined the *Rajah's* father, and family, by pillaging his country, and subverting his interests at *Hydrabad*. As

* The custom of carrying the water of the *Ganges* to the remotest parts of *India* is very common; and the rich *Hindoos* are at a considerable expence to obtain it. The *Rajah's* people endeavoured to impress me with a high notion of his sanctity as a *Brahmen*; but I found, on inquiry, that he was only of the *Elmy* cast, corresponding nearly with the *Rajpoots* of *Hindoostan*.

As I suspected that the beauty of my horse had been the principal cause of our being brought to *Paloonsah*, I now took the opportunity of presenting him to the *Rajah*. His satisfaction at this event was warmly expressed; and he immediately desired I would make myself perfectly easy; for I should be at liberty to depart on the ensuing day. This was all I wanted; and the interview ending soon after, a large quantity of coco nuts, and mangos, were sent me; and I retired, heartily pleased with the prospect of marching on the following morning. But my troubles did not end here; for some of the Company's *Zemeendars* who had been in confinement at *Madras*, had, about this time, made their escape, and arrived at *Paloonsah*. They had so much influence in prepossessing the *Rajah* against me, that the whole of the ensuing day was spent in procuring a supply of grain, and guides to direct us across the country into the high road that leads to the Company's frontier.

Our departure was consequently delayed until the morning of the 19th, when MORTIZALLY, and the *Vakeel*, whose good offices I had, in some measure, been necessitated to purchase, advised me to lose no time in quitting the *Rajah's* territory; for the people who had lately escaped from *Madras*, might so far prejudice him against us, as to induce him to throw further obstacles in our way. I could not, however, get away from *Paloonsah* before eight o'clock; for, at my departure, every household servant belonging to the *Rajah* came out, in expectation of some gratuity. Having at length got rid of their importunities, we set out, accompanied by MORTIZALLY, and the *Vakeel*; who, when he had proceeded about a mile, delivered over a guide to direct us; and after presenting me a passport to shew to the *Rajah's* people, at the post of *Dommaipett*, they took their leave.

Our *Mahratta* guides, who had accompanied us from *Ewunpilly*, were, during our stay at *Paloonshah*, quite stupified with fear lest they should be apprehended. We had, however, disguised them in such a manner that they escaped undiscovered; and their spirits began now to revive. Although our present track was unknown to them, they were of great use to us in managing the *Tellinghys* whom we procured as guides from the *Rajah's* people. Having now proceeded about three miles, in a narrow defile between two ranges of hills, the road intersected by ravines, and in some parts strongly stockaded, the hill fort of *Sunkurgherry* on a sudden opened to our view. The distance was too great to enable me to judge of the nature of its works; but it had, on the whole, a pretty and romantic appearance. Leaving this place about three miles to the northward of our track, the country continued exceedingly wild, and our road was merely a slight foot path through thick *jungles*. The few villages that occurred were very poor, and situated mostly in little spots of ground that had been cleared for cultivation. By noon we had travelled about eleven miles, when we came to a little spring, where finding also some shady trees, I halted, to enable the people, and cattle, to drink and refresh. In about an hour I moved on, resolving to proceed as far as possible, in hopes of reaching the Company's frontier on the ensuing day. Our road again continued between two ranges of hills, which gradually converged, until we came to the entrance of the strongest pass I ever beheld, called *Mooty Gauty*, which is likewise fortified. It consists of a narrow passage, not more than twenty feet in width, and half a mile long; and the rock rising perpendicularly on each side. Beyond this the passage diminishes to about ten feet; and a little stream of water, that issues from a rock on the east side, flows through it. After proceeding about a hundred yards, through the narrowest part of the defile, we came

to

to a very steep ascent, which led to the top of the pass. Here I halted to collect my party, and then moved on, about two miles further, to a little rivulet near the village of *Jogaram*, where we encamped at 5 P. M. having marched a distance of twenty-five miles.

THE pass we had come through forms one of the strongest natural defences to *Paloonshah*; and might be defended, by a few resolute men, against any numbers. That of *Soondpilly Gundy*, which we should have come through, had we continued our journey along the high road, is situated about four *cofs* to the eastward of *Mooty Gautty*, in the same range of hills.

THE little village near which we encamped, consisted only of five poor huts; and the inhabitants, who were as uncouth as any of the human species I ever met with, came out, to the number of about eleven, including women and children, to gaze at us. They were of the *Dair* cast, and spoke the *Tellinghy* language, but, by living in this wild and retired part of the country, were totally ignorant of every thing beyond the concerns of their own little hamlet.

MAY 20th. AT day break we moved forward; and as the post of *Dommapett* was only seven miles distant, it behoved me to pass it with caution. I collected therefore my party into a compact body; and we soon came in sight of it. I found it consisted of a small mud fort; from which about fifty armed men issued, as we approached, and attempted to stop us. I shewed them the *Rajah's* pass, to which, however, they paid no regard; but being now within five *cofs* of the Company's frontier, I was determined not to be plagued by them; and drawing up the *sepoys* opposite to the party, I told the man in command, that I would not be detained. As the high road ran close by this place, the *Rajah's* guides were of no further use

use to us; and as those we had brought from *Eunpilly* undertook to lead us, I ordered the followers to move on with their baggage, and soon after followed myself with the *sepoys*. Some parties stole into the *jungle* upon our flanks; but finding that we kept a constant watch over them, they did not attempt to fire upon us; and the *jungle* soon became so thick, that they were no longer able to make their way through it, and we lost sight of them.

I HAD now only one place more to pass belonging to the *Paloonshah Rajah*; a small post called after him, *Ashrusrow Pett*, where we arrived about 2 P.M. On our approach, the people all ran into the fort; but as they did not offer to molest us, we soon passed it; and arrived, about four o'clock, at the little village of *Dubagooram*, situated on the *Polaram Rajah's* frontier; and subject to the British government.

MAY 21st. WE had marched twenty-seven miles from our last encampment; and the heat, for the last two days, had harrassed us a good deal; but being now arrived within the Company's territory, our troubles were nearly at an end. Our grain was exhausted; and the village being too small to afford us any, I moved about six miles to the village of *Tarpilly*, in the *Talook* of *Reddy*, where our very urgent wants were supplied. The inhabitants were a good deal surprized at our appearance, not conceiving by what road we could have come into that part of the country; but knowing that, although we were not attached to the *Madras* presidency, we were subjects to the same government, they shewed us every attention. In two more easy marches we reached *Yertnagoodum*, a place in Colonel PEARSE's route from *Madras* to *Calcutta*, where my geographical labours terminated; and it being a road commonly frequented by the British troops, I found here on my arrival every refreshment provided.

MAY 24th. I proceeded to *Rajamundry*, and having recrossed the *Godavery*, encamped under the north side of the fort. Here I had the first grateful sight of an European countenance, which was productive of the most pleasing sensations; for I had now been four months in the society of the natives; through paths the most rugged; and in situations that required their utmost perseverance to surmount. Their patience was frequently called forth, to enable them to subsist on the scanty provision, which they were necessitated to carry on their own shoulders, in a mountainous wilderness; and their greatest fortitude was summoned to contend with savage hordes; to whose mercy had it been our fate to submit, but little chance could have been expected of escaping with our lives. The due southing in this journey was little more than eight degrees; but the circuitous windings we were obliged to take, to penetrate through the country, had increased the whole distance to 1125 British miles. The hard service which the cattle had endured, had reduced them so low, that a fourth part were now too much exhausted to recover, and perished. Two of my *Hirkarrahs* had been cut off by the *Goonds*; which, with four followers attached to the *sepoys*, was the whole loss our party had sustained: And considering the difficult nature of the service, it was as little as could be expected. Indeed, the utter impossibility of any individual escaping, who might leave the party, had necessitated the utmost precaution and indefatigable exertions of the whole, for our mutual preservation; and in many situations of difficulty, I was infinitely obliged to them for that zealous support, and attachment, which were productive of so fortunate and successful a termination to our toils.

IV.

An Account of a new Species of DELPHINUS,

An Inhabitant of the GANGES.

BY DOCTOR ROXBURGH.

LINNÆUS, in his arrangement of the animal kingdom, separates the *Narval*, *Whales*, *Cacholots*, and *Dolphins*, comprising the tribe of cetaceous animals, from the fishes, and places them in the class *Mammalia*, because they suckle their young. This mode has been by some deemed unnatural; but as it renders the arrangement methodical, easy, and conspicuous, it is now generally followed.* The animals of the cetaceous order of the class *Mammalia*, to which belongs the species now to be described, are characterized by the following circumstances. They inhabit the ocean, or large rivers. They have no feet. They breathe through a fistulous opening on the upper part of the head. They have two pectoral fins, and an horizontally flatted tail. They copulate and suckle their young like quadrupeds; which they resemble also in the structure and use of their internal parts.

THE four genera composing this order, are distinguished chiefly by the teeth. That to which this new species belongs, is denominated *Delphinus*; the essential character of the species thereof is: They are furnished with bony teeth in each jaw; whereas the other three genera have either no teeth, or have them in one jaw only. Gmelin's last edition of the *Systema Naturæ* of LINNÆUS, mentions only four distinct species, viz. *Phocaena*,

* PENNANT, in his British Zoology, makes a different arrangement; by which he places the *Cete* amongst the fishes, distributing the whole into three grand divisions. 1st, Cetaceous-fish. 2d, Cartilaginous-fish. And 3d, Bony-fish. But in the subdivision of this last grand class, he follows LINNÆUS.

cæna, (*a*;) *Delphis*, (*b*;) *Orca*, (*c*;) and *Leucas*, (*d*;) to which I now add a fifth, viz.

DELPINUS GANGETICUS,

THE body of which is nearly of a lanceolate shape, and almost round. The jaws, long and slender; with sixty teeth in each. No dorsal fin.

Soosoo is the name it is known by amongst the Bengalese about *Calcutta*.

THEY are found in great numbers in the Ganges, even so far up as it is navigable, but seem to delight most in the slow moving labyrinth of rivers, and creeks, which intersect the delta of that river to the South, S. E. and East, of *Calcutta*.

DESCRIPTION.

THE Body (including the head) is of an ovate-lanceolate shape; by which term I mean rather long and slender, thickest about the fore part, from thence tapering to the tail; from the anus forward, nearly round.* The skin is soft, smooth, and of a shining pearl grey, or lead colour, when dry; with here and there lighter coloured spots, or clouds, particularly when old; but when the animal is alive, and as we then see it wet when it rises to breathe, it appears much darker. The length of the individual, (a young, little more than half grown male,) from which this description is taken, six and a half feet, and at the thickest part, which is nearly about, or rather behind, the pectoral fins, three in circumference: the weight one hundred and twenty pounds.

PL 2

HEAD

(*a*) The Porpoise. (*b*) The Dolphin. (*c*) The Grampus.

(*d*) The Beluga, or white fish of the Russians.

* But behind that aperture, the vertical diameter exceeds the horizontal considerably.

HEAD obtuse, somewhat carinated on the upper and anterior part, suddenly tapering to a long, slender, but strong beak, or mouth; (not unlike that of some birds.) The jaws are strong, though slender: nearly equal, and almost straight. Taken singly, they are sub-cylindrical, and without lips, or any other substance to hide the teeth. Their length is nearly about a sixth part of the length of the whole animal, beak and tail included.

TEETH, in both jaws one hundred and twenty; of which there are thirty in each side of each jaw; those before are longer, sharper, more approximated, and somewhat incurved; they become gradually smaller, shorter, and more remote, as they approach the throat; and are fitted to lock into those of the opposite jaw when the mouth is shut.

TONGUE large, oval, firmly attached in its whole length to the integuments which connect the posterior furcated part of the lower jaw.

EYES exceedingly minute, being only about a line in diameter, of a bright, shining, blackish colour; situate nearly two inches above the posterior angles of the mouth; and sunk pretty deep in their small round orbits.

FISTULA, or spout-hole, is situate on the upper part or crown of the head; it is linear, and somewhat bent like the letter *J*.

EARS external, two short, semilunar apertures, considerably behind, and a little above the eyes.

FINS pectoral, of an oblique fan-shape, about nine inches long, and seven broad at the posterior margin, which is developed beneath their skin may be felt the bones, extending to the angles of the
the

the scolloped margin. Instead of a dorsal-fin, there is only a projecting angle about half way between the fistula and tail.

TAIL horizontal, (as in the rest of the order *Cete*.) crescent shaped; expands, at the extreme points, fourteen inches. Depth of the concave side of the crescent about two inches: besides, there is a fissure in the center, which penetrates about an inch and a half farther into the tail.

GENITAL ORGANS of the Male. The aperture is about twelve inches behind the insertion of the pectoral fins, and about ten before the anus. The member itself, in its flaccid state, is about ten inches long, and then entirely hid in the belly. It is composed of two portions, having their limits marked by two large projecting lobes; affixed to the under side: these are of a firm liver-like texture and colour. The posterior portion is perfectly cylindric, and about as thick as a man's finger; the anterior part is much smaller, and tapers to a fine point; they are nearly of equal lengths; that is, about five inches each.

THE female has not yet been examined.

WHEN in pursuit of the fish on which it feeds, it moves with great velocity, and uncommon activity; but at all other times, so far as I have been able to observe, or learn, the motions of this animal are slow and heavy, often rising to the surface of the water to breathe.

BETWEEN the skin and the flesh, is a coat of pale yellowish coloured fat, more or less thick, according to the state of the animal. This the Hindoos set a high value on, as an external medicine, of great efficacy for removing pains of various kinds. The flesh

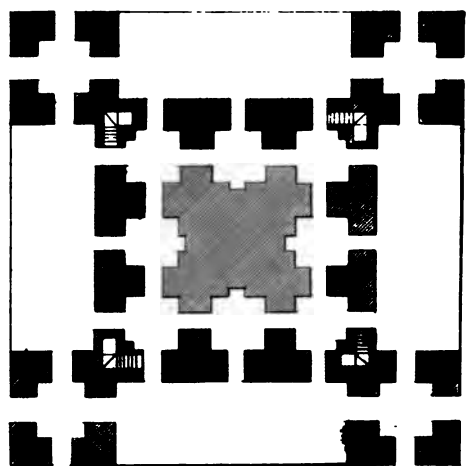
174 AN ACCOUNT OF A NEW SPECIES OF DELPHINUS.

is like the lean of beef in colour, nor has it any disagreeable smell ; yet, so far as I can learn, the natives never eat it.

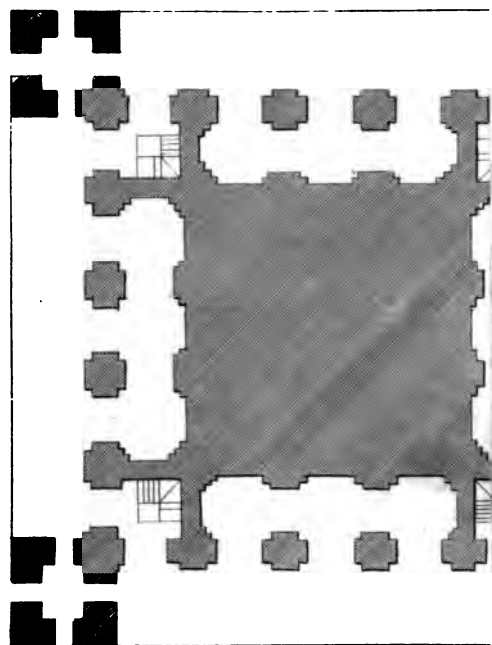
IN the stomach were found only some grains of paddy, (rice in the husk,) a few minute fragments of shells, and many living active *Ascarides*.* Notwithstanding the contents of the stomach of this individual, there is no doubt of the animal being piscivorous.

* These (*Ascaris Delphini* they may be called) are about two inches long, of a pale, almost white colour, tapering little, but equally towards each end : the mouth is situate in the center of three tubercles ; over the anus is a small pointed hornlet on the obtuse tail of the animal.

C



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V.

Translation of one of the Inscriptions on the Pillar

AT

DEHLEE, called the *Lāt* of FEERŌZ SHAH.

BY HENRY COLEBROOKE, Esq.

WITH INTRODUCTORY REMARKS BY MR. HARRINGTON.

I HAVE the pleasure of presenting to the Society a Book of Drawings and Inscriptions prepared under the inspection of their late Member Captain JAMES HOARE, and intended by him (I have reason to believe) for the use of the Society.

Two of the drawings represent elevations, taken on the spot, of the stone building near DEHLEE, called the *Shikargah*, or hunting place, of FEERŌZ SHAH; with the pillar in the center, and above the summit of it, commonly known by the designation of FEERŌZ SHAH's *Lāt*; and described, with an outline of the building and pillar, in the 21st paper of the 1st Vol. of the Society's Transactions. The copy of the inscriptions on this pillar, which was received by our reverend President and Founder from Colonel POLIER, enabled him to exhibit a translation of one of them, as accurate as the imperfect state of the transcript would admit; but on comparing it with a more perfect copy made for Captain HOARE, it was found in several parts defective and inaccurate; and the date, instead of being 123 of the æra of *Vicramaditya*, or A. D. 67, as appeared from the former copy, was clearly ascertained from the present to be 1220 of the above æra; or A. D. 1164. An accurate translation of this inscription has therefore been furnished by Mr. HENRY COLEBROOKE, (who has distinguished himself as a Sanscrit Scholar by his version of the Hindoo Law Digest, compiled under the superintendence

perintendence of Sir WILLIAM JONES,) and is now submitted to the Society; with the original Sanscrit in Roman letters.

OF the five other inscriptions contained in the accompanying book, and taken from the same pillar, but in a different character, no translation has been yet procurable. The deposit of them among the Society's papers, and, if they think proper, the publication of an engraving of them in their Transactions, may lead to a future explication of them; which must be also facilitated by Captain HOARE's collection of the characters.

THE same characters appear in the inscription on the pillar at *Allahabad*, a specimen of which, with a modern Arabick and Persian inscription in the reign of JEHANGEER, and a drawing of the pillar, are also contained in the accompanying Book.—I have not been able to procure any information respecting this pillar, and understand from *Moon/kee* MOHUMMUD MORAD, who accompanied Captain HOARE, that his inquiries at *Allahabad* were equally unsuccessful.

THE FEERŌZ SHAH whose name is now attached to the *Dehlee* pillar (though it must have been erected as some Hindoo Monument at a much earlier period) appears from FERISHTUH's History to have reigned at *Dehlee* between the years 1351 and 1388; in the last of which he died at the age of ninety; and FERISHTUH, in the words of his translator Lieutenant Colonel Dow, gives him the following character,

“ THOUGH no great warrior in the field, he was,
 “ by his excellent qualities, well calculated for a reign
 “ of peace. His severity to the inhabitants of
 “ *Cumaoon* for the assassination of the Governor of *Sa-*
 “ *mana*, is a great blot in his reputation. But to this
 “ he perhaps was prompted by a religious zeal and
 “ enthusiasm: for the persons murdered were Seids or

“descendants of the prophet. He reigned thirty-eight years and nine months, and left many memorials of his magnificence in the land. He built fifty great sluices, forty mosques, thirty schools, twenty caravansaries, an hundred palaces, five hospitals, an hundred tombs, ten baths, ten spires, one hundred and fifty wells, one hundred bridges; and the pleasure gardens he made were without number*.”

THE author of the *Huft Akleem*, MOHUMMUD AMEEN RAZEE, who wrote his history of the world, (or, as the title of his book imports, of the *Seven Climes* into which the Mahomedans divide the universe,) in the reign of *Akbur*, corroborates the above character of FEERŌZ SHAH, and adds the following passage, translated verbatim from his history. “Among the places built by this King FEERŌZ SHAH) is a hunting place, which the populace call the *Lat* of FEERŌZ SHAH. It is a house of three stories, in the centre of which has been erected a pillar of red stone, of one piece, and tapering upwards. The visible part of the shaft is, by measurement, twenty-seven *Zirras*, and it is said that one-third only is visible; the remaining two-thirds being buried in the earth. In this case, the total length must be eighty-one *Zirras*; and it is five *Zirras* in circumference: Round it have been engraved literal characters which the most intelligent of all religions have been unable to explain. Report says, this pillar is a monument of renown to the *Rajahs*, (or Hindoo Princes,) and that FEERŌZ SHAH set it up within his hunting place. But on this head there are various traditions, which it would be tedious to relate.”

THE exact length of the *Zirra*, referred to in the above description, is uncertain. But there can be no doubt that the height of the pillar, now visible

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above

* Dow's History of Hindostan, Vol. I. page 336.

above the building, is thirty-seven feet; and that its circumference, where it joins the terrace, is ten feet four inches. These dimensions I have from *Moonshee* MOHUMMUD MORAD, who himself measured the pillar for Captain HOARE in July 1797; and who adds, that, as far as it could be seen, (which from the ruinous state of the building it cannot be, at present, below the upper terrace,) it is certainly, as described in the *Huft Akleem*, a single stone, of reddish colour, as represented in the drawing. One of Captain HOARE's drawings further represents the plans of the three stories of the *Shikar-gah*, and his *Moonshee* informs me, the current opinion is, that they were used partly for a menagery, and partly for an aviary, which the plans appear to confirm.

PERHAPS the same misguided religious zeal, which prompted his severity towards the inhabitants of *Cumaon*, may have impelled him to erect a mansion for birds and beasts, round a venerable relict of Hindoo antiquity; the age of which cannot, I conceive, be determined by the date of the inscription now communicated to the Society, as the character of it is modern, and altogether different from the older inscriptions, not yet explained.

J. H. HARINGTON.

SANSCRIT

**SANSKRIT INSCRIPTION, IN ROMAN
CHARACTERS.**

samvat 1220 vaisác'ha sudí 15 śácambharí bhúpati
śrímad vélla dévátmaja śrímad vísala dévasya.

1 ávind'hyád áhimádrér virachita vijayas tít'ha
yátrá prasangád udgrívésu praharta nrípatishu
vinamat cand'haréshu prasannah
áryávertam yat'hárt'ham punar api crítaván
mléchch'ha vichch'hédanábhir dévah śácambha-
rín dro jagati vijayaté vísalah cshón'ípálah

2 bráté samprati báhuajāta tilacah śácambharí bhú-
patih śrímad vighraha rája ésha vijayí santánaján
átmanah.
asmábhih caradam vyad'háyi himavad vind'hy-
ántarálam bhuvah śésa swícaran'áya mástu bha-
vatám udyóga śúnyam manah.

1 ambhó náma ripu priyá nayanayóh pratyart'hi
dantántaré pratyacshán'i trín'áni vaibhava milat
cáshtám yasás távacam
márgó lóca virudd'ha éva vijanah śunyam manó
vidwishám śrímad vighraha rájadéva bhavatah
prapté prayán'ótsavé
lílá mandira sódaréshu swántéshu vāmabhruvám
śatrún'án nanu vighraha cshitipáté nyáyyás cha
vásas tava śancá vá purushóttamasya bhavató
násty éva várán nid'hér nirmat'hyápahríta śriyah
cimu bhaván cródé na nidráyitah.

samvat śrí vicramáditya 1220 vaisác'ha sudí 15
gurau lic'hitam idam
pratyacsham gua'dánwaya cáyast'ha máhava putra
śrípatina atra samayé mahá—mantrí rájaputra
śrímal lacshan'a pálah.

VERBAL TRANSLATION.

IN the year 1220, on the 15th day of the bright half of the month Vaisac'h, [this monument] of the fortunate VÍSALA DÉVA, Son of the fortunate VÉLLA DÉVA, (1) King of S'ácambhari.

As far as *Vind'hya*, (2) as far as *Himádri*, (2) having achieved conquest in the course of travelling to holy places; resentful to haughty Kings, and indulgent to those whose necks are humbled; making *Aryáverta* (2) once more what its name signifies, by causing the barbarians to be exterminated; VÍSALA DÉVA, supreme ruler of S'ácambhari (3) and sovereign of the earth, is victorious in the world.

THIS conqueror, the fortunate VIGRAHA RÁJA, (4) King of S'ácambhari, most eminent of the tribe which sprang from the arms (5) [of BRAHMA',] now addresses his own descendants: "By us the region of the earth between *Himavat* (2) and *Vind'hya* (2) has been made tributary; let not your minds be void of exertion to subdue the remainder."

TEARS are evident in the eyes of thy enemy's consort; blades of grass are perceived between thy adversary's teeth; (6) thy fame is predominant throughout

(1) Colonel POLIER's transcript exhibited AMILLA; the present copy may be read either AVE'LLA or VE'LLA.

(2) The *Vind'hya* hills form the range which passes through the provinces of *Babár*, *Benáres*, &c. *Himádri*, the mountain of snow, (called *Himavat* in the next verse), is the Imaus and Emodus of ancient geographers. *Aryáverta* signifies the land of virtue, or "inhabited by respectable men." See MENU Ch. 2. v. 22.

(3) I have not been able to ascertain the situation of S'ácambhari.

(4) Whether VIGRAHA RA'JA and VÍSALA DE'VA be names of the same person, or of different princes, it is impossible to determine from the tenor of the inscription, without other information.

(5) The transcript of the inscription exhibits *Váhamána Tilacab*, as it was also read in the former fac simile: SERVÓNE TRIY'nd advises me to read it *Bábujáta Tilacab*, and I accede to his emendation.

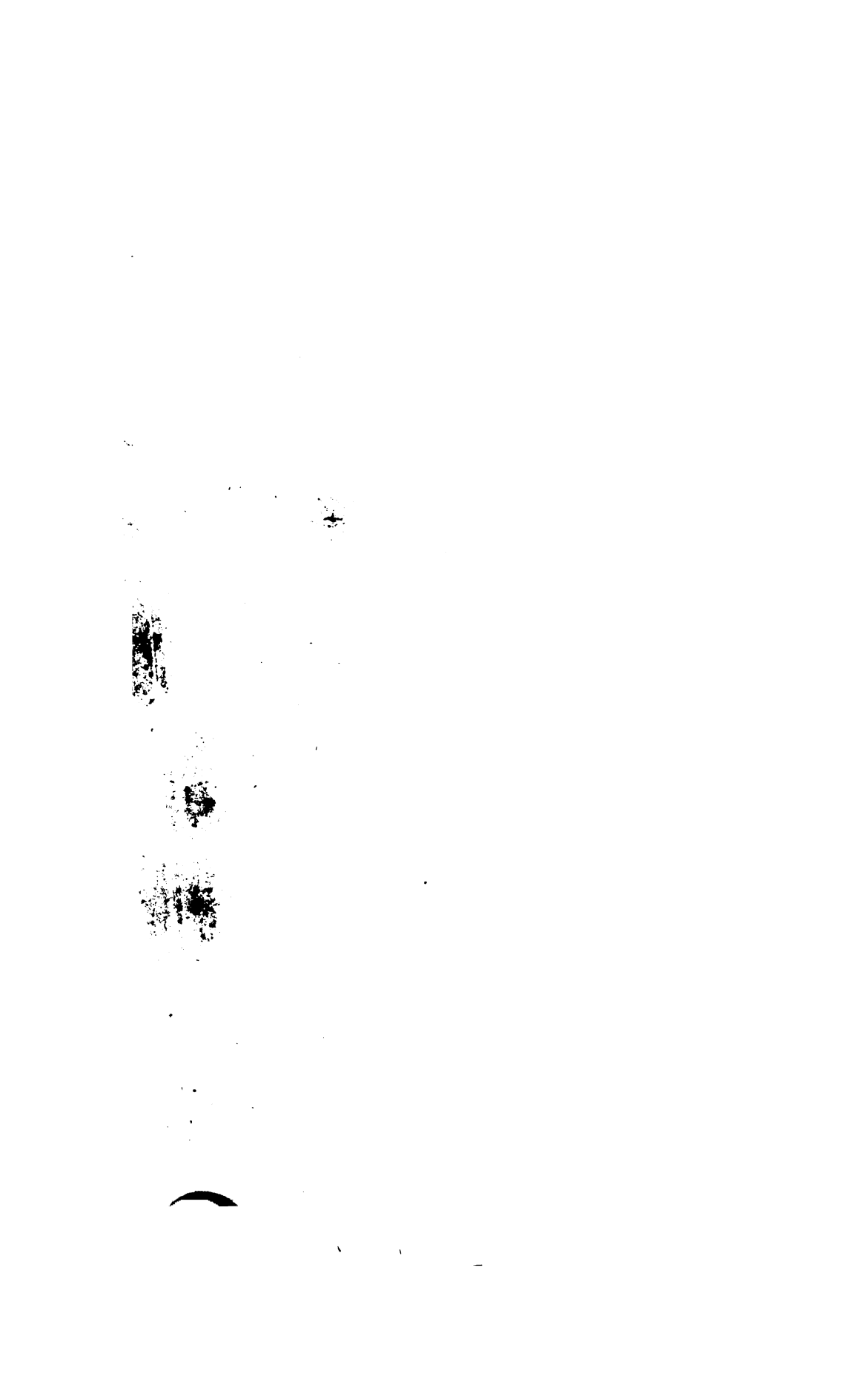
(6) This alludes to the Indian custom of biting a blade of grass as a token of submission, and of asking quarter.

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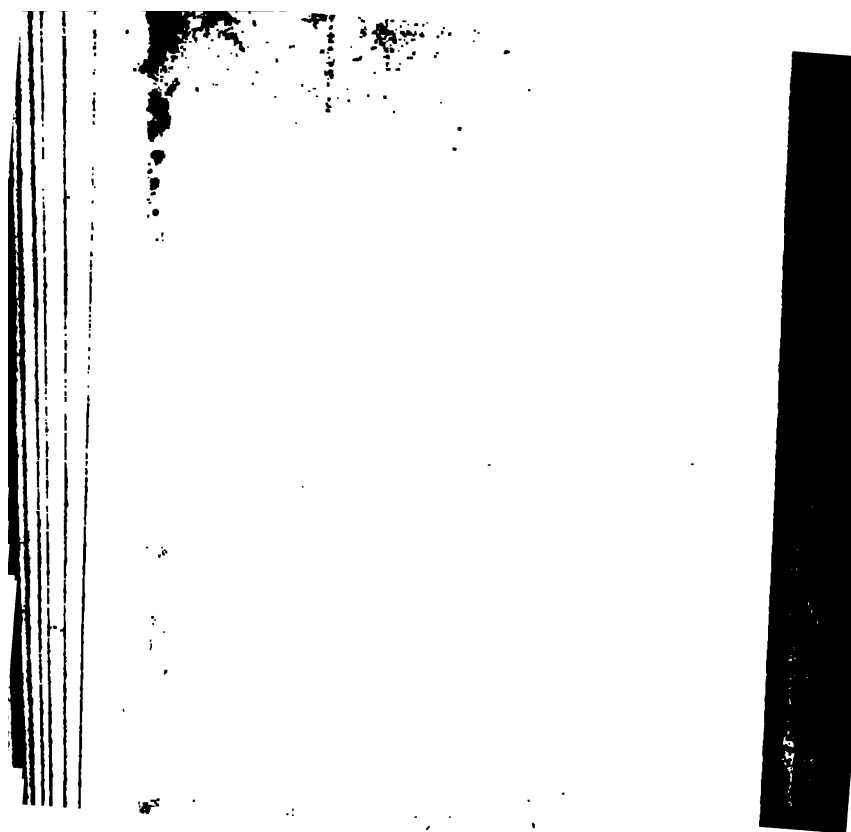




*This Inscription is a continuation
of others & in a different Character
about seven feet from the top*

* ॐ शिवाय नमः शिवाय नमः शिवाय नमः
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ॐ शिवाय नमः



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ਸਿਰਮੌਰ ੧੫੭੩ ਜੀ ੫

ॐ नमो भगवते वासुदेवाय ॥
 श्रीकृष्णार्जुनसंवादे श्रीकृष्ण उवाच ॥
 दृष्ट्वा तु पाण्डुपुत्रो पाण्डुपुत्रो वीर्यवान् ॥
 धनुर्धरं तपनस्यं धर्मक्षेत्रे कुरुक्षेत्रे ॥
 समवेता संजयः स आसीत् धर्मप्रसूतः ॥
 तदा ॥ अर्जुन उवाच ॥ दृष्ट्वा तु पाण्डुपुत्रो ॥
 पाण्डुपुत्रो वीर्यवान् धनुर्धरं तपनस्यम् ॥
 धर्मक्षेत्रे कुरुक्षेत्रे समवेता संजयः ॥
 स आसीत् धर्मप्रसूतः तदा ॥

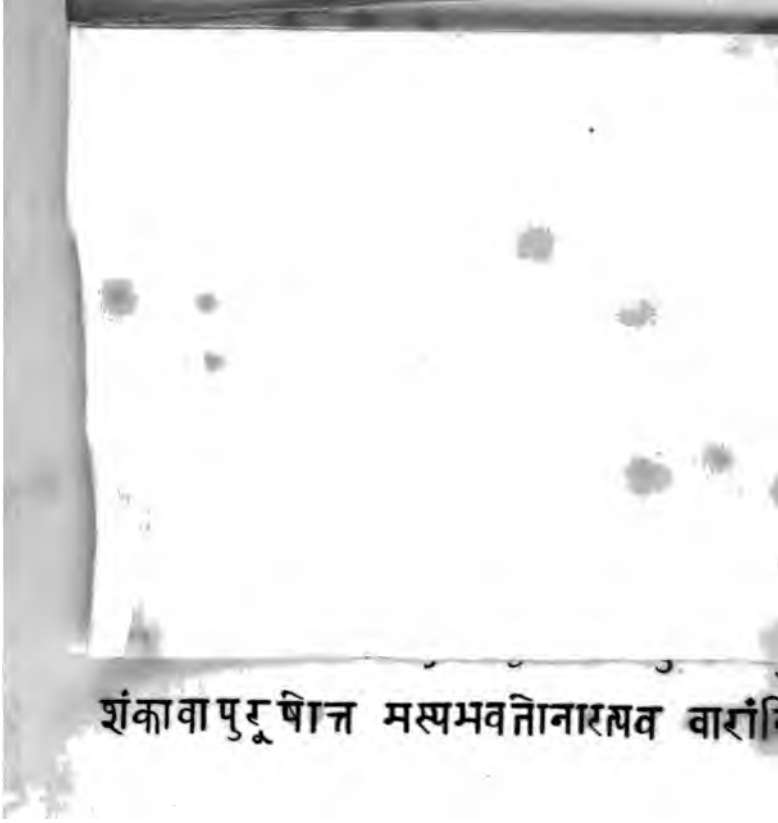


शंकावापुरुषोत्तमस्यभवतो नारायणव वारांनिधे

शिवभयकनचक्रवर्ती

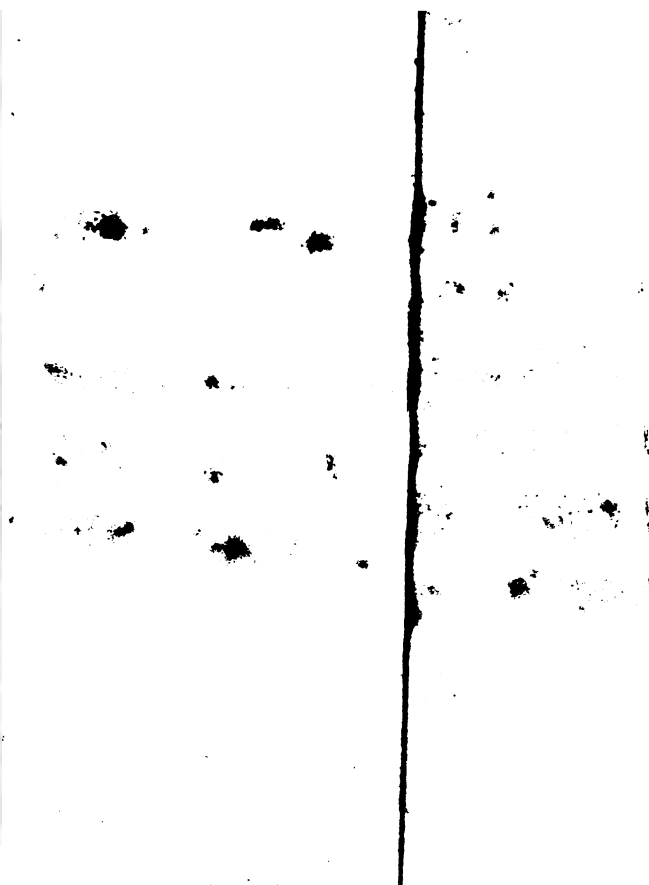
The same Inscription - in a row





शिवभयकनचक्रवर्ती

The same inscription -



at space; the minds of thy foes are void
; their route is the desert where men are
om passing; O VIGRAHA RAJA DÉVA,
illee occasioned by thy march.

y abode, O VIGRAHA, sovereign of the
fixed, as in reason it ought, in the bo-
n to the mansion of dalliance) of the
th beautiful eye-brows, who were married
emies. There is no doubt of thy being
st of embodied souls. (7) Didst thou
in the lap of S'RÍ, whom thou didst seize
ocean, having churned it? (8)

year from the fortunate VICRA'MADITYA
on Thursday the 15th day of the bright
e month *Vaisác'h*, this was written in the
of (10) by
, the son of *Máhava*, a *Cáyast'ha* of a family
z: at this time the fortunate LACSHANA'
Rajaputra, is prime minister.

e terrible,  and the universal monarch.

N 3

THERE

me explains this very obscure passage otherwise: "there
e should be) no doubt or hesitation in the mind of thee,
highest of embodied souls. (*Purushóttama*)."

SHÓTTAMA is a title of VISHN'U. With reference to
e author of the inscription asks, "Art thou not VISHN'U
t thou not he who slept in the arms of LACSHM ?" The
: churning of the ocean is well known.

present copy the date is very distinct; and proves to be
93 as was suspected by Sir WILLIAM JONES.
part of the inscription is not legible.

THERE are on the same page, some short inscriptions, which I cannot decypher. One of them, however, is partly legible, and appears to be in the *Hindustáni* language. It contains the name of SULTÁN IBR'AHIM, and wishes him a long life.

VI.

> ACCOUNT of the KOOKIES or LUNCTAS.

By JOHN MACRAE, Esq.

COMMUNICATED BY J. H. HARINGTON, Esq.

MR. HARINGTON has the pleasure of laying before the society, an account of the *Kookies*, or *Cúcis*, respecting whom a paper communicated in Persian by Mr. RAWLINS, was translated by Sir WILLIAM JONES, and printed in the 2d Volume of the Researches.

THE paper now communicated was written by Mr. JOHN MCRAE, Surgeon in the Honourable Company's Service, at *Chittagong*; and from information given to him by a native of *Runganeeah*, who had long resided among the *Cúcis* as their captive. It was originally intended as a private communication only; but conceiving that the description of manners contained in it, of a people little known, on the frontier of the British Territory, would prove acceptable to the Society, the author was solicited to permit its being read to them; and they will probably consider it sufficiently interesting for publication in their Researches.

January 24th, 1799.

THE *Kookies* are a race of people that live among the mountains to the north east of the *Chittagong* province, at a greater distance than the *Choomeeahs* from the inhabitants of the plains; to whom therefore they are little known, and with whom they very rarely have any intercourse, except when they occasionally visit the haunts, or markets, on the borders of the jungles in the *Runganeeah* and *Jurungabad* districts, to purchase salt, dried fish, and tobacco.

THE following account of them was taken from a native of the *Runganeeah* district, who, when a boy, was carried away, in one of their predatory excursions, and, after a captivity of twenty years, found means to return to his family.

THE *Kookies*, or *Lunctas*, (as they are also called,) are the least civilized, of any of the people we as yet know, among these mountains: like all mountaineers, they are of an active, muscular make, but not tall; they are stouter, and of a darker complexion than the *Choomeeas**, and, like them, have the peculiar features of all the natives of the eastern parts of *Asia*, namely the flat nose, small eye, and broad round face.

THE tradition of the *Kookies* respecting their origin is, that they, and the *Mugs*, are the offspring of the same progenitor, who had two sons, by different mothers. The *Mugs*, they say, are the descendants of the eldest, and the *Kookies* of the youngest son. The mother of the youngest having died during his infancy, he was neglected by his step-mother, who, while she cloathed her own son, allowed him to go naked; and this partial distinction being still observed, as he grew up, he went by the name of *Luncta*, or the naked. Upon the death of their father, a quarrel arose between the brothers, which induced the *Luncta* to betake himself to the hills, and there pass the remainder of his days. His descendants have continued there ever since, and still go by the name of *Lunctas*; though, properly speaking, the term is only applicable to the male part of them, as the females wear a short apron before, made of cloth of their own manufacture, and which falls down from the loins to the middle of the thigh; and both sexes occasionally throw a loose sheet

* *Choomeeas* are the inhabitants of the first range of hills bordering on the plains to the north and east of the province of *Chittagong*, and are tributary to the Honourable Company; their villages are called *Chooms*.

sheet of cloth over their bodies, to defend them from the cold.

THIS tradition of their origin receives much support from the great similarity of the *Mug* and *Kookie* languages, many words of which are exactly the same, and their general resemblance is such that a *Mug* and *Kookie* can make themselves understood to each other.

THE *Kookies* are all hunters and warriors, and are divided into a number of distinct tribes, totally independent of each other, though all of them acknowledge, more or less, the authority of three different *Rajahs*, named TH'ANDON, MANKENE, and HALCHA, to whom the various tribes are attached, but whose power over them is very limited, except in that tribe with which the *Rajah* lives, where he is absolute. The rajahships are hereditary, and the *Rajahs*, by way of distinction, wear a small slip of black cloth round their loins; and, as a farther mark of superior rank, they have their hair brought forward, and tied in a bunch, so as to overshadow the forehead, while the rest of the *Kookies* have theirs hanging loose over the shoulders. The females also of the *Rajah's* family wear an apron of black cloth, with a red border, which falls down to the knee,—a colour and fashion prohibited to the rest of the sex, black being the royal colour.

THE *Rajahs* receive a tribute in kind from the tribes, to support their dignity; and in cases of general danger, they can summon all the warriors to arms; but each tribe is under the immediate command of its own particular chief, whose word is a law in peace and war, and who has the power of life and death in his tribe. The chieftainship is not hereditary like the rajahship, but elective, though in general the nearest relation of the last chief succeeds him, if deemed by the tribe a proper person for the trust, and the *Rajah* cannot remove a chief once elected, should he disapprove of him.

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THE *Kookies* are armed with bows and arrows, spears, clubs, and *daws*, an instrument in common use among the natives of this province, as a hand hatchet, and exactly resembling the knife of the *Nyars* on the *Malabar Coast*, which is a most destructive weapon in close combat. They use shields, made of the hide of the *Gyal*, (a species of cow peculiar to their hills;) and the inside of their shields they ornament with small pendulous plates of brass, which make a tingling noise, as the warriors toss about their arms, either in the fight or in the dance. They also wear round their necks large strings, of a particular kind of shell found in their hills; about their loins, and on their thighs, immediately above the knee, they tie large bunches of long goat's hair, of a red colour; and on their arms they have broad rings of ivory, in order to make them appear the more terrific to their enemies.

THE *Kookies* choose the steepest and most inaccessible hills to build their villages upon, which, from being thus situated, are called *Parahs*, or, in the *Kookie* language, *K'hooah*. Every *Parah* consists of a tribe, and has seldom fewer than four or five hundred inhabitants, and sometimes contains one or two thousand. Towards our frontiers, however, where there is little apprehension of danger, a tribe frequently separates into several small parties, which form so many different *Parahs* on the adjoining hills, as may best suit their convenience. To give further security to the *Parahs*, in addition to their naturally strong situation, the *Kookies* surround them with a thick bamboo pallisade; and the passages leading into them, of which there are commonly four or five in different quarters, they strictly guard, day and night, especially if there is any suspicion of danger; but whether there is, or is not, they are at all times extremely jealous of admitting strangers within the *Parah*: they build their houses as close to each other as possible, and make them spacious enough to accommodate

commodate four or five families in every house. They construct them after the manner of the *Choomeeas* and *Mugs*, that is, on platforms or stages of bamboo, raised about six feet from the ground, and enter them by ladders, or, more frequently, by a single stick, with notches cut in it, to receive the foot : underneath the stages they keep their domestic animals. All these precautions of defence strongly indicate the constant state of alarm in which they live, not only from the quarrels of the *Rajahs* with each other, but also from the hostile feuds of the different tribes ; not excepting those who are attached to the same *Rajah*. Depredations on each other's property, and the not giving up of such refugees as may fly from one *Parah* to another, are the most frequent causes of quarrel, when they carry on a most destructive petty warfare, in which the several tribes are more or less involved, according as the principals are more or less connected among them. On these occasions, when an enterprize is not of sufficient importance to induce the chief to head all the warriors of the *Parah*, he always selects a warrior of approved valour and address to lead the party to be detached.

THEY always endeavour to surprize their enemy, in preference to engaging him in open combat, however confident of superiority they may be. With that view, when on any hostile excursion, they never kindle a fire, but carry with them a sufficiency of ready-dressed provisions, to serve during the probable term of their absence ; they march in the night, proceeding with the greatest expedition, and observing the most profound silence ; when day overtakes them, they halt, and lie concealed in a kind of hammock, which they fasten among the branches of the loftiest trees, so that they cannot be perceived by any person passing underneath. From this circumstance of ambuscade the idea has originated, of their living in trees instead of houses. When they have, in this manner,

manner, approached their enemy unperceived, they generally make their attack about the dawn, and commence it with a great shout, and striking of their spears against their shields. If they are successful in their onset, they seldom spare either age or sex ; at times, however, they make captives of the children, and often adopt them into their families, when they have none of their own ; and the only slaves among them are the captives thus taken.

THE heads of the slain they carry in great triumph to their *Parah*, where the warriors are met, on their arrival, by men, women and children, with much rejoicing ; and they have the peculiar privilege of killing any animal in the place they may choose, (not excepting the chief's,) to be given as a feast in celebration of their victory : but, should the party have been unsuccessful, instead of being thus met with every demonstration of joy, and led into the *Parah* amidst the exultations of its friends, it enters in the greatest silence, and as privately as possible ; and all the warriors composing it remain in disgrace, until such time as they retrieve their characters, either jointly or individually, by some act of valour.

THE *Kookies* are often attacked by the *Banjoogees*, who, though not so numerous a race of people, yet, from being all united under one *Rajah*, always prevail, and exact an annual tribute of salt from the two *Kookie Rajahs*, TH'ANDON and MANKENE, who, from having a greater intercourse with the *Choomeeas*, receive a larger supply of this article from the plains below, than their more remote neighbours. Salt is in the highest estimation among them all ; whenever they send any message of consequence to each other, they always put in the hand of the bearer of it a small quantity of salt, to be delivered with the message, as expressive of its importance. Next to personal valour, the accomplishment most esteemed in a warrior, is superior address in stealing, and if a thief can convey

convey undiscovered to his own house his neighbour's property, it cannot afterwards be claimed; nor, if detected in the act, is he otherwise punished than by exposure to the ridicule of the *Parah*, and being obliged to restore what he may have laid hold of.

THIS must tend to encourage the practice of thieving, which, no doubt, is considered in such high estimation, because the same sagacity and address, necessary to give success to the thief, qualifies the warrior, in an eminent degree, to steal unperceived upon and surprize his enemy, and thus ensures him victory. So thought the ancient warriors of *Sparta*, who, like the *Kookies* of the present day, held in estimation the man who could steal with superior expertness.

THE *Kookies*, like all savage people, are of a most vindictive disposition; blood must always be shed for blood; if a tiger even kills any of them, near a *Parah*, the whole tribe is up in arms, and goes in pursuit of the animal; when, if he is killed, the family of the deceased gives a feast of his flesh, in revenge of his having killed their relation. And should the tribe fail to destroy the tiger, in this first general pursuit of him, the family of the deceased must still continue the chase; for until they have killed either this, or some other tiger, and have given a feast of his flesh, they are in disgrace in the *Parah*, and not associated with by the rest of the inhabitants. In like manner, if a tiger destroys one of a hunting party, or of a party of warriors on an hostile excursion, neither the one nor the other (whatever their success may have been) can return to the *Parah*, without being disgraced unless they kill the tiger. A more striking instance still of this revengeful spirit of retaliation is, that if a man should happen to be killed by an accidental fall from a tree, all his relations assemble, and cut it down; and however large it may be, they reduce it to chips,

chips, which they scatter in the winds, for he as they say, been the cause of the death of brother. They employ much of their time in chase, and having no prejudice of cast (or sex) restrain them in the choice of their game, no advantage comes amiss to them. An elephant is an immense prize for a whole *Parah*. They do not rear their *Parahs* so frequently as the *Choomees* their *Chooms*: the *Choomees* seldom remain longer than two years on the same spot; while the *Kookies* are usually four or five; and when they migrate, they burn their *Parah*, lest they should return to it, as they are frequently known to do if the huts are left standing. The *Kookies* go to a greater distance from their old ground on a journey of twelve hours, unless compelled to proceed farther, from some particular cause, such as fear of an enemy, or the want of a proper spot to fix upon.

THEIR great object in selecting a place to settle is natural strength of situation, with a sufficient good ground near the *Parah* on which to rear the different grains, roots, and vegetables they wish to cultivate. They cultivate the ground as the *Choomees* do, and in this, as in every other domestick occupation, the female sex bears the weight of labour, and no rank exempts them from it: the wife of the chief, and the wife of his vassal, work in the same field.

A PROPER spot being found on the declivity of some hill contiguous to the *Parah*, the men descend the *jungle* upon it in the month of May, and allow it to remain there until sufficiently decayed to burn freely, when they set it on fire, thus at once perform the double purpose of clearing away the rubbish, and of manuring the ground with its ashes.—The women now dig small holes, at certain distances, in the spot so cleared, and into each hole they throw a handful of different seeds to
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intend to rear, which are all jumbled together in a basket slung over the shoulder: the seeds are then covered with earth, and left to their fate; when, in due time, according to their various natures, the plants spring up, ripen, and are reaped in succession: rice, Indian corn, and the mustard plant, are thus seen in the same field. Of rice they have a great variety, and two or three kinds peculiar to the hills; one of these, the *Chereh*, is uncommonly fine, and has the peculiar quality of affecting, as a laxative, persons not in the habit of eating it. The other sorts are called *Beh*, *Deengkroo*, *Roomkee*, *Sepooee*, *Bangsoo* and *Boulteh*; but it is not exactly ascertained, whether or not these are different species of grain, or the same kind, receiving different names from the season of reaping it. The *Beh* is reaped in July, the *Chereh* in August, the *Deengkroo* in September, the *Roomkee* in October, and in November the *Sepooee*, *Bangsoo*, and *Boulteh*. They have another small grain, called *Cutchoo*, and a variety of beans, as the *Karass*, *Burguddee*, and *Toorace*: the seed of the mustard plant they eat, but express no oil from it. Of the gourd and cucumber plants they have several kinds; and tumerick, yams, and tobacco, they cultivate; but the latter they have in small quantity, though very fond of it.

IN their forests they have abundance of honey, but are ignorant of the method of separating it from the wax of the comb.

THEIR domestic animals are *Gyals*, *Goats*, *Hogs*, *Dogs*, and *Fowls*, and of these the *Gyal* is by much the most valued, both on account of its milk, and its flesh. As already mentioned, it is a species of cow, peculiar to these hills, where it is met in its wild state: in shape it resembles the heavy strong make of the wild buffalo, but has much shorter horns; its colour is brown, acquiring a lighter shade towards the belly, which, as well as the legs, is often white: its milk is nearly as rich as the

colour, from an infusion of the leaf of a particular tree called *Bangmullah*, which renders it highly intoxicating. They indulge very freely in the use of both kinds, except when they go on hostile excursions: they then rigidly abstain from them. In January and February they usually marry, because they have provisions in the greatest plenty, and it is their most idle time.

WHEN any person dies in a *Parah*, the corpse is conveyed by the relations of the deceased, and deposited upon a stage raised under a shed erected for the purpose, at some distance from the dwelling house. While it remains there, it is carefully guarded day and night from the depredations of dogs and birds, by some one of the family, and a regular supply of food and drink is daily brought and laid before it. Should more than one casualty occur in a family, the same ceremony is observed with respect to each corpse; and at whatever time of the year persons may happen to die in the *Parah*, all the bodies must be kept in this manner until the 11th of April, called by the *Bengalees*, *Beesoon*. On that day all the relations of the deceased assemble and convey their remains from the sheds to different funeral piles prepared for them on a particular spot without the *Parah*, where they are burnt; as are also the several sheds under which the bodies had lain from the period of their decease. After this melancholy ceremony is over, the whole party repairs to the house of him in whose family the first casualty occurred in that year, and partakes of an entertainment given by him in honour of the dead. On the following day a similar feast is given by him in whose family the next casualty of the season had happened; and thus, the feast goes round in succession, until one is given for each of the dead.

IN this pious preservation of the dead till a certain

tain day in the year, when only the last solemn funeral rites can be performed to their remains, there is a singular coincidence in the practice of the *Kookies* with that of some of the tribes of the North American Indians, as related in BERTRAM'S Travels; and it must appear a curious fact, that in so very particular an instance, there should be this similitude in the customs of two savage people, placed in such opposite parts of the world; where the climate, and other peculiar local circumstances, are so totally different.

THE *Kookies* have an idea of a future state, where they are rewarded or punished according to their merits in this world. They conceive that nothing is more pleasing to the Deity, or more certainly ensures future happiness, than destroying a number of their enemies. The Supreme Being they conceive to be Omnipotent, and the Creator of the world, and all that it contains. The term in their language for the Supreme Being is KHOGGIN POOT-TEEANG. They also worship an inferior Deity, under the name of SHEEM SAUK, to whom they address their prayers, as a mediator with the Supreme Being, and as more immediately interesting himself in the concerns of individuals. To the Supreme Being they offer in sacrifice a *Gyal*, as being their most valued animal; while to SHEEM SAUK they sacrifice a goat only. In every *Parah*, they have a rudely formed figure of wood of the human shape, representing SHEEM SAUK; it is generally placed under a tree, and to it they offer up their prayers before they set out on any excursion or enterprise, as the Deity that controuls and directs their actions and destiny. Whenever, therefore, they return successful, whether from the chase, or the attack of an enemy, they religiously place before SHEEM SAUK all the heads of the slain, or of their game killed, as expressive of their devotion, and to

record their exploits. Each warrior has his own particular pile of heads, and according to the number it consists of, his character as a hunter and warrior is established in the tribe. These piles are sacred; and no man dares attempt to filch away his neighbours' fame, by stealing from them to add to his own. They likewise worship the moon, as conceiving it to influence their fortunes in some degree. And in every house there is a particular post consecrated to the Deity, before which they always place a certain portion of whatever food they are about to eat. In the month of January they have a solemn sacrifice and festival in honour of the Deity, when the inhabitants of several neighbouring *Parahs*, (if on friendly terms) often unite and kill *Gyals*, and all kinds of animals, on which they feast, and dance and drink together for several days. They have no professed ministers of religion, but each adores the Deity in such manner as he thinks proper. They have no emblem, as of *SHEEM SAUK*, to represent the Supreme Being.

THE *Kookies* having no coins among them, but such as find their way from the plains, for the few necessaries they want they barter their produce with the *Choomeeas*, who are the medium of commerce; and on these occasions the *Choomeeas* are never allowed to enter their *Parahs*, but are obliged to remain at a certain distance, whither the articles of exchange are brought: such is their extreme jealousy of admitting any strangers within their *Parahs*, as already noticed. They frequently visit a *Mug* chief, commonly known by the name of the *Comlahpore Rajah*, who is settled among the hills, in the southern parts of this district, and to whom they make themselves understood from the similarity of language. They can give no account of the country to the eastward of their hills; but they have a tradition that it is an open level country, like the

plain of *Chittagong*. The *Kookies* are a great terror to the *Bengalees* settled on the borders of the *jungles* in the *Runganeeah* and *Aurungabad* districts; and a particular annoyance to the wood cutters, whose business leads them far into the forests, and whom they have frequently surprised and cut off. Whenever an unfortunate event of this nature has occurred, it has always been remarked, that the *Kookies* carry nothing away from the slain but their heads, and such salt as they may have with them. They stand so greatly in awe of fire arms, that the report of a single musket will put a whole party to flight; on this account the *Rajah* of the *Choomceas*, who is so immediately in their neighbourhood, keeps in his service a number of *Pehlwanas*, or men with fire-arms; but, notwithstanding, his people have been obliged to abandon several places, by the depredations committed by the *Kookies*. Though the *Rajah* is upon terms of friendship with some of the tribes, yet, in the course of their migrations, these are succeeded by others that he knows nothing of, and of whose approach even he is ignorant, until his people are cut off; he is, therefore, under the necessity of being constantly prepared to repel these attacks, which, from being always made in the night, it is impossible to guard against.

THE following is a specimen of the *Kookie* language:

<i>Meepa</i> , ...	Man.
<i>Noonuoo</i> , ...	Woman
<i>Naoo</i> , ...	A Child.
<i>Meepa Naoot'he</i> , ...	A male Child.
<i>Noonaoot'he</i> , ...	A female Child.
<i>P'ha</i> , ...	Father.
<i>Noo</i> , ...	Mother
<i>Chopooee</i> , ...	Brother.
<i>Charnoo</i> , ...	Sister.
<i>P'hoo</i> , ...	Grandfather.

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<i>Chopooee</i> , ...	Brother.
<i>Charnoo</i> , ...	Sister.
<i>P'hoo</i> , ...	Grandfather.

in which different persons of the drama employ different idioms. Both the passages above quoted are therefore easily reconciled. They in fact notice only three tongues. 1. *Sanskrit*, a polished dialect, the inflections of which, with all its numerous anomalies, are taught in grammatical institutes. This the dramatic poets put into the mouths of Gods and of Holy personages. 2. *Prâcrit*, consisting of provincial dialects, which are less refined, and have a more imperfect grammar. In dramas it is spoken by women, benevolent genii, &c. 3. *Mûgad'hî*, or *Apabhrans'a*, a jargon destitute of regular grammar. It is used by the vulgar, and varies in different districts: the poets accordingly introduce into the dialogue of plays a provincial jargon spoken by the lowest persons of the drama *.

The languages of India are all comprehended in these three classes. The first contains *Sanskrit*, a most polished tongue, which was gradually refined until it became fixed in the classic writings of many elegant poets, most of whom are supposed to have flourished in the century preceding the Christian æra. It is cultivated by learned *Hindus* throughout India, as the language of science and of literature, and as the repository of their law civil and religious. It evidently draws its origin (and some steps of its progress may even now be traced) from a primeval tongue

* *Sanscrita* is the passive participle of a compound verb formed by prefixing the preposition *sam* to the crude verb *cri*, and by interposing the letter *s* when this compound is used in the sense of embellishment. Its literal meaning then is "adorned;" and when applied to a language, it signifies "polished." *Prâcrita* is a similar derivative from the same crude verb, with *pra* prefixed: the most common acceptance of this word is "outcast, or man of the lowest class;" as applied to a language, it signifies "vulgar." *Apabhrans'a* is derived from *bhras'* to fall down: it signifies a word, or dialect, which falls off from correct etymology. Grammarians use the *Sanscrita* as signifying "duly formed or regularly inflected;" and *Apabhrans'a* for false grammar.

tongue which was gradually refined in various climates, and became *Sanscrit* in India; *Pahlaví* in Persia, and Greek on the shores of the Mediterranean. Like other very ancient languages, *Sanscrit* abounds in inflections, which are, however, more anomalous in this, than in the other languages here alluded to; and which are even more so in the obsolete dialect of the *Védas*, than in the polished speech of the classick poets. It has nearly shared the fate of all antient tongues, and is now become almost a dead language; but there seems no good reason for doubting that it was once universally spoken in India. Its name, and the reputed difficulty of its grammar, have led many persons to imagine that it has been refined by the concerted efforts of a few priests, who set themselves about inventing a new language; not like all other tongues, by the gradually improved practice of good writers and polite speakers. The exquisitely refined system by which the grammar of *Sanscrit* is taught, has been mistaken for the refinement of the language itself. The rules have been supposed to be anterior to the practice, but this supposition is gratuitous. In *Sanscrit*, as in every other known tongue, grammarians have not invented etymology, but have only contrived rules to teach what was already established by approved practice.

THERE is one peculiarity of *Sanscrit* compositions which may also have suggested the opinion that it could never be a spoken language. I allude to what might be termed the euphonical orthography of *Sanscrit*. It consists in extending to syntax the rules for the permutation of letters in etymology. Similar rules for avoiding incompatible sounds in compound terms exist in all languages; this is sometimes effected by a deviation from orthography in the pronunciation of words, sometimes by altering one or more letters to make the spelling correspond with the pronunciation. These rules have been more
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works, however, seem to be now extant; being superseded by his, they have probably been disused for ages, and are now perhaps totally lost*.

A PERFORMANCE such as the *Pāṇiniya* grammar must inevitably contain many errors. The task of correcting its inaccuracies has been executed by CĀTYĀYANA†, an inspired saint and law-giver, whose history, like that of all the Indian sages, is involved in the impenetrable darkness of mythology. His annotations, entitled *Vārticas*, restrict those among the *Pāṇiniya* rules which are too vague, enlarge others which are too limited, and mark numerous exceptions which had escaped the notice of PĀṆINI himself.

THE amended rules of grammar have been formed into memorial verses by BHARTRĪ-HARI, whose metrical aphorisms, entitled *Cāricā*, have almost equal authority with the precepts of PĀṆINI, and emendations of CĀTYĀYANA. If the popular traditions concerning BHARTRĪ-HARI be well founded, he lived in the century preceding the Christian Æra‡; for he is supposed to be the same, with the brother of VICRAMADITYA, and the period when this prince reigned at *Ujjayinī* is determined by the date of the *Samvat* Æra.

THE studied brevity of the *Pāṇiniya Sūtras* renders them in the highest degree obscure. Even with the
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* Definitions of some technical terms, together with grammatical axioms, are also cited from those ancient works in the commentaries on PĀṆINI. They are inserted in a compilation entitled *Paribhāṣā*, which will be subsequently noticed. The various ancient grammars of the *Sanskrit* tongue, as enumerated in a memorial verse, are eight in number, and ascribed to the following authors; viz. INDRA, CHANDRA, C'AS'A, CRITSNA', PĪ'SA'LI', S'A'CATA'YANA, PĀ'NINI, and AMERA JINE'NDRA.

† This name likewise is a patronymick.

‡ A beautiful poem has been composed in his name, containing moral reflections, which the poet supposes him to make on the discovery of his wife's infidelity. It consists of either three or four *Satocas*, or centuries of couplets.

the knowledge of the key to their interpretation, the student finds them ambiguous. In the application of them when understood, he discovers many seeming contradictions; and, with every exertion of practised memory, he must experience the utmost difficulty in combining rules dispersed in apparent confusion through different portions of PĀNINI'S eight lectures. A commentary was therefore indispensably requisite. Many were composed by ancient grammarians to elucidate the text of PĀNINI. A most copious one on the emendations of his rules was compiled in very ancient times by an uncertain author. This voluminous work, known by the title of *Mahābhāṣya*, or the great commentary, is ascribed to PATANJALI, a fabulous personage, to whom mythology has assigned the shape of a serpent. In this commentary every rule is examined at great length. All possible interpretations are proposed: and the true sense and import of the rule are deduced through a tedious train of argument, in which all foreseen objections are considered and refuted; and the wrong interpretations of the text, with all the arguments which can be invented to support them, are obviated or exploded.

VOLUMINOUS as it is, the *Mahābhāṣya* has not exhausted the subject on which it treats. Its deficiencies have been supplied by the annotations of modern grammarians. The most celebrated among these scholiasts of the *Bhāṣya* is CAITYĀTA, a learned Cashmirian. His annotations are almost equally copious with the commentary itself. Yet they too are loaded by numerous glosses; among which the old and new *Vivaranās* are most esteemed.

THE difficulty of combining the dispersed rules of grammar, to inflect any one verb or noun through all its variations, renders further aid necessary. This seems to have been anciently afforded in vocabularies, one of which exhibited the verbs classed in
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the order implied by the system of PĀN'INI, the other contained nouns arranged on a similar plan. Both probably cited the precepts which must be remembered in conjugating and declining each verb and noun. A catalogue of verbs, classed in regular order, but with few references to the rules of etymology, is extant, and is known by the title of *D'hātupāṭa*. It may be considered as an appendix to the grammar of PĀN'INI; and so may his own treatise on the pronunciation of vocal sounds, and the treatise of YASCA on obsolete words and acceptations peculiar to the *Vēda*. A numerous class of derivative nouns, to which he has only alluded, have been reduced to rule under the head of *Unādi*, or the termination *u*, &c.; and the precepts, respecting the gender of nouns, have been in like manner arranged in *Sūtras*, which are formed on the same principles with PĀN'INI's rules, and which are considered as almost equally ancient. Another supplement to his grammar is entitled *Gaṇapāṭa*, and contains lists of words comprehended in various grammatical rules under the designation of some single word with the term " &c." annexed to it. These supplements are due to various authors. The subject of gender alone has been treated by more than one writer reputed to be inspired, namely by CĀTYĀYANA, GŌBILĀ, and others.

THESE subsidiary parts of the *Pāṇinīya* grammar do not require a laboured commentary; excepting only the catalogue of verbs, which does need annotation; and which is in truth a proper ground work for a complete review of all the rules of etymology, that are applicable to each verb*. The *Vṛttinyāsa*,

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* The number of verbal roots amounts to 1750 nearly; exclusive of many obsolete words omitted in the *D'hātupāṭa*, but noticed in the *Sūtras* as the roots of certain derivatives. The crude verbs, however, are more numerous, because many roots, containing the same radical letters, are variously conjugated in different senses: the whole number of crude verbs separately noticed in the catalogue exceeds three thou-

a very celebrated work, is, I believe, a commentary of this sort*. It is mentioned by MAITREYA RACSHITA, the author of the *D'háta pradípa*, as the work chiefly consulted by him in compiling his brief annotations on the *D'hátupáta*. A very voluminous commentary on the catalogue of verbs was compiled under the patronage of SAYANA, minister of a chieftain named SANGAMA, and is entitled *Mád'haróiyá vrítti*. It thoroughly explains the signification and inflection of each verb; but at the same time enters largely into scholastick refinements on general grammar.

SUCH vast works as the *Mahábháshya* and its scholia, with the voluminous annotations on the catalogue of verbs, are not adapted for general instruction. A conciser commentary must have been always requisite. The best that is now extant is entitled the *Cásicá vrítti*, or commentary composed at *Varánásí*. The anonymous author of it, in a short preface, explains his design: 'to gather the essence of a science dispersed in the early commentaries, in the *Bháshya*, in copious dictionaries of verbs and of nouns, and in other works.' He has well fulfilled the task which he undertook. His gloss explains in perspicuous language the meaning and application of each rule: he adds examples, and quotes, in their proper places, the necessary emendations from the *Várticas* and *Bháshya*. Though he never deviates into frivolous disquisitions, nor into tedious reasoning, but expounds the text as succinctly

and. From each of these are deduced many compound verbs by prefixing one or more prepositions to the verbal root. Such compounds often deviate very widely in their signification, and some even in their inflections, from the radical verb. The derivative verbs again are numerous; such as causals, frequentatives, &c. Hence it may be readily perceived how copious this branch of grammar must be.

*. I have not yet had an opportunity of inspecting either this or its gloss. It has been described to me as a commentary on the *Cásicá vrítti*.

succinctly as could consist with perspicuity, his work is nevertheless voluminous; and yet, copious as it is, the commentaries on it, and the annotations on its commentaries, are still more voluminous. Amongst the most celebrated is the *Padamanjarī* of HARADATTA MISRA; a grammarian whose authority is respected almost equally with that of the author, on whose text he comments. The annotators on this again are numerous; but it would be useless to insert a long list of their names, or of the titles of their works.

EXCELLENT as the *Cásicā vr̥tti* undoubtedly is, it partakes of the defects which have been imputed to PÁNINI's text. Following the same order, in which the original rules are arranged, it is well adapted to assist the student in acquiring a critical knowledge of the *Sanskrit* tongue. But for one who studies the rudiments of the language, a different arrangement is requisite, for the sake of bringing into one view the rules which must be remembered in the inflections of one word, and those which must be combined even for a single variation of a single term. Such a grammar has been compiled within a few centuries past by RÁMACHANDRA, an eminent grammarian. It is entitled *Pracriyacaumudī*. The rules are PÁNINI's, and the explanation of them is abridged from the ancient commentaries; but the arrangement is wholly different. It proceeds from the elements of writing to definitions; thence to orthography: it afterwards exhibits the inflections of nouns according to case, number, and gender; notices the indeclinables; and proceeds to the uses of the cases: it subjoins the rules of opposition, by which compound terms are formed; the etymology of patronymicks and other derivatives from nouns; and the reduplication of particles, &c. In the second part, it treats of the conjugation of verbs arranged in ten classes: to these primitives succeed derivative verbs, formed from verbal roots,

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or from nouns. The rules concerning different voices follow: they are succeeded by precepts regarding the use of the tenses; and the work concludes with the etymology of verbal nouns, gerunds, supines, and participles. A supplement to it contains the anomalies of the dialect, in which the *Véda* is composed.

THE outline of PÁN'INI's arrangement is simple; but numerous exceptions and frequent digressions have involved it in much seeming confusion. The two first lectures (the first section especially, which is in a manner the key of the whole grammar) contain definitions; in the three next are collected the affixes, by which verbs and nouns are inflected. Those which appertain to verbs, occupy the third lecture: the fourth and fifth contain such as are affixed to nouns. The remaining three lectures treat of the changes which roots and affixes undergo in special cases, or by general rules of orthography, and which are all effected by the addition or by the substitution of one or more elements *. The apparent simplicity of the design vanishes in the perplexity of the structure. The endless pursuit of exceptions and of limitations so disjoins the general precepts, that the reader cannot keep in view their intended connexion and mutual relation. He wanders in an intricate maze; and the clew of the labyrinth is continually slipping from his hands.

THE order in which RÁMACHANDRA has delivered the rules of grammar is certainly preferable; but the *sútras* of PÁN'INI thus detached from their context are wholly unintelligible. Without the commentator's exposition, they are indeed what Sir WILLIAM JONES has somewhere termed them, dark as the darkest oracle. Even with the aid of a comment, they cannot be fully understood until they are perused with the proper context. Notwithstanding

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* Even the expunging of a letter is considered as the substitution of a blank.

this defect, BHĀT'T'Ō'JĪ DĪ'CSHITA *, who revised the *Camudī*, has for very substantial reasons adhered to the *Pa'n'iniya sūtras*. That able grammarian has made some useful changes in the arrangement of the *Pracriya*: he has amended the explanation of the rules, which was in many places incorrect or imperfect: he has remedied many omissions; has enlarged the examples; and has noticed the most important instances where the elder grammarians disagree, or where classical poets have deviated from the strict rules of grammar. This excellent work is entitled *Sidd'hānta Caumudī*. The author has very properly followed the example of RĀMACHANDRA, in excluding all rules that are peculiar to the obsolete dialect of the *Vēda*, or which relate to accentuation; for this also belongs to the *Vēda* alone. He has collected them in an appendix to the *Sidd'hānta Caumudī*; and has subjoined in a second appendix rules concerning the gender of nouns. The other supplements of PĀN'INI's grammar are interwoven by this author with the body of his work.

THE *Hindus* delight in scholastick disputation. Their grammarians indulge this propensity as much as their lawyers and their sophists †. BHĀT'T'Ō'JĪ DĪ'CSHITA has provided an ample store of controversy in an argumentative commentary on his own grammar. This work is entitled *Prant'a menbrant*. He also composed a very voluminous commentary on the eight lectures of PĀN'INI, and gave it the title of *Sabda Caustubha*. The only portion of it I have yet seen reaches no farther than to the end of the first section of PĀN'INI's first lecture. But this is so diffusive, that, if the whole have been executed on a similar plan, it must triple the ponderous volume.

* Descendants of BHĀT'T'Ō'JĪ in the fifth or sixth degree are, I am told, now living at Benares. He must have flourished between one and two centuries ago.

† Many separate treatises on different branches of general grammar are very properly considered as appertaining to the science of logick.

lume of the *Mahābhāṣya* itself. I have reason, however, for doubting that it was ever completed.

THE commentaries on the *Siddhānta Caumudī* and *Manōramā* are very numerous. The most celebrated shall be here briefly noticed. 1. The *Tutva bōd'hinī* expounds the *Siddhānta*: it is the work of INYĀNE'NDRA SARASWATĪ, an ascetick, and the pupil of VAMANE'NDRA SWAMĪ'. 2. The *Sābdēndu s'éc'hara* is another commentary on BHĀT'T'O'JĪ'A grammar. It was composed by a successor, if not a descendant, of that grammarian. An abridgment of it, which is very generally studied, is the work of NĀGE'S'A, son of SĪVA BHĀT'T'A, and pupil of HARIDĪ'CSHITĀ. He was patronised, as appears from his preface, by the proprietor of *Sringavēra pura**. Though called an abridgment, this *Laghu Sābdēndu* is a voluminous performance. 3. The *Laghu Sābdaratna* is a commentary on the *Manōramā* of BHĀT'T'O'JĪ' DI'CSHITĀ, by the author's grandson, HARĪ' DI'CSHITĀ. This work is not improperly termed an abridgment, since it is short in comparison with most other commentaries on grammar. A larger performance on the same topics, and with the same title of *Sābda ratna*, was composed by a professor of this school. 4. BĀLA SARMAN PĀGONDIYĀ, who is either fourth or fifth in succession from BHĀT'T'O'JĪ', as professor of grammar at Benares, has written commentaries on the *Catustubha*, *Sābda retna*, and *Sābdēndu s'éc'hara*. His father, BAIDYARAT'HA BHĀT'TĀ, largely annotated the *Paribhāshēndu s'éc'hara* of NĀGO'JĪ' BHĀT'TĀ, which is an argumentative commentary on a collection of grammatical axioms and definitions cited by the glossarists of PĀN'INI. This compilation, entitled *Paribhāshā*, has also furnished the text for other controversial performances bearing similar titles.

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WHILE

* A town on the Ganjes, marked *Singbore* in Rennel's maps. It is situated above *Illahabad*.

WHILE so many commentaries have been written on the *Siddhanta Caumudī*, the *Pracriya Caumudī* has not been neglected. The scholiasts of this too are numerous. The most known is CRISHNA PANDITA; and his work has been abridged by his pupil JAYANTA, who has given the title of *Tatva chandra* to a very excellent compendium *. On the other hand, CRISHNA PANDITA has had the fate common to all noted grammarians; since his work has employed a host of commentators, who have largely commented on it.

THE *Caumudīs*, independently even of their numerous commentaries, have been found too vast and intricate for young students. Abridgments of the *Siddhanta Caumudī* have been therefore attempted by several authors with unequal degrees of success. Of three such abridgments, one only seems to deserve present notice. It is the *Madhya Caumudī*, and is accompanied by a similar compendium of annotations, entitled *Madhya Ménoramā*. The name indicates, that it holds a middle place between the diffuse original, and the jejune abstracts called *Laghu Caumudī*, &c. It contains such of PĀNINI's rules as are most universal, and adds to each a short but perspicuous exposition. It omits only the least common exceptions and limitations.

When *Sanskrit* was the language of Indian courts, and was cultivated not only by persons who devoted themselves to religion and literature, but also by princes, lawyers, soldiers, physicians, and scribes; in short, by the first three tribes, and by many classes included in the fourth; an easy and popular grammar must have been needed by persons who could not waste the best years of their lives in the study of words. Such grammars must always have been in use; those, however, which are now studied

* Finished by him, as appears from a postscript to the book, in the year 1687 of the *Samvat era*. Though he studied at Benares, he appears to have been born on the banks of the *Tapati*, a river marked *Taptee* in RENNEL's map.

died are not, I believe, of very ancient date. The most esteemed is the *Sáraswata*, together with its commentary named *Chandricá*. It seems to have been formed on one of the *Caumudís*, by translating PÁNINI's rules into language that is intelligible, independently of the gloss, and without the necessity of adverting to a different context.

ANOTHER popular grammar, which is in high repute in Bengal, is entitled *Mugd'habód'ha*, and is accompanied by a commentary. It is the work of VÓPADEVA, and proceeds upon a plan grounded on that of the *Caumudís*; but the author has not been content to translate the rules of PÁNINI, and to adopt his technical terms. He has on the contrary invented new terms, and contrived new abbreviations. The same author likewise composed a metrical catalogue of verbs alphabetically arranged. It is named *Cavicalpadruma*, and is intended as a substitute for the *D'hátupá'a*.

The chief inconvenience attending VÓPADEVA's innovation is, that commentaries and scholia, written to elucidate poems and works of science, must be often unintelligible to those who have studied only his grammar, and that the writings of his scholars must be equally incomprehensible (wherever a grammatical subject is noticed) to the students of the *Pániníya*. Accordingly the *Pandits* of Bengal are cut off in a manner from communication on grammatical topics with the learned of other provinces in India. Even etymological dictionaries, such as the commentaries on the metrical vocabularies, which I shall next proceed to mention, must be unintelligible to them.

It appears from the prefaces of many different grammatical treatises, that works, entitled *Dhātu* and *Nāma párāyan'a*, were formerly studied. They must have comprehended, as their title implies, "the whole of the verbs and nouns" appertaining to the language; and, since they are mentioned as very vo-

luminous, they must probably have contained references to all the rules applicable to every single verb and noun. HARADATTA's explanation of the title confirms this notion. But it does not appear that any work is now extant under this title. The *D'hātupātā*, with its commentaries, supplies the place of the *D'hātupārayanā*. A collection of dictionaries and vocabularies in like manner supplies the want of the *Nāma pārayanā*. These then may be noticed in this place as a branch of grammar.

THE best and most esteemed vocabulary is the *Amera cōsha*. Even the bigotry of SANCAR ACHĀRYA spared this, when he proscribed the other works of AMERA SINHA *. Like most other Sanscrit dictionaries,

* AMER-SINH was an eminent poet and one of the nine gems (for so these poets were called), who were the ornament of VICRAMĀDITYA's court. Unfortunately he held the tenets of a heterodox sect; and his poems are said to have perished in the persecutions fomented by intolerant philosophers against the persons and writings of both JAINAS and BAUDD'HAS. The persecution instigated by SANCARA and UDAYAN ACHĀRYA, were enforced, perhaps from political motives, by princes of the *Vaishnava* and *Saiva* sects, who compelled the BAUDD'HA monarchs to retire from *Hindustān*, and to content themselves with their dominions of *Lāsā* and *Bhāt*. It would be curious to investigate the date of this important revolution. The present conjecture, for it is little more than mere conjecture, is partly founded upon some acknowledgments made by *Pandits*, who confess that SANCARA and UDAYANA persecuted the heterodox sects and proscribed their books; and partly on the evidence of the engraved plate found at *Mudgagiri*, and of the inscription on the pillar found at *Redāl* (See *As. Res.* v. I. p. 123 & 124), from which it appears, that DE'VAPA'LA DE'VA belonged to the sect of BUDD'HA; and that he reigned over *Bengal* and *Carnātā* as well as *Lāsā* and *Bhāt*; and had successfully invaded *Cambōja*, after traversing as a conqueror the *Vind'hya* range of mountains. His descendants, as far as the fourth generation, governed a no less extensive empire; as appears from the inscription on the pillar at *Bedāl*. I must however acknowledge, that this last mentioned inscription does not indicate any attachment to the sect of BUDD'HA. This may be accounted for by supposing that the worshippers of CRĪSHN'A and of RA'MA were then as cordial to the followers of BUDD'HA, as they now are towards each other. The king and his minister might belong to different sects,

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tionaries, it is arranged in verse to aid the memory. Synonymous words are collected into one or more verses, and placed in fifteen different chapters, which treat of as many different subjects. The sixteenth contains a few homonymous terms, arranged alphabetically in the Indian manner by the final consonants. The seventeenth chapter is a pretty full catalogue of indeclinables, which European philologists would call adverbs, prepositions, conjunctions, and interjections; but which *Sanskrit* grammarians consider as indeclinable nouns. The last chapter of the *Ameracôsh* is a treatise on the gender of nouns. Another vocabulary by the same author is often cited by his commentators under the title of *Ameramâlâ*.

Numerous commentaries have been written on the *Amera côsh*. The chief object of them is to explain the derivations of the nouns, and to supply the principal deficiencies of the text. *Sanskrit* etymologists scarcely acknowledge a single primitive amongst the nouns. When unable to trace an etymology which may be consistent with the acceptance of the word, they are content to derive it according to grammatical rules from some root to which the word has no affinity in sense. At other times they adopt fanciful etymologies from *Purânas* or from *Tantras*. But in general the derivations are accurate and instructive. The best known among these commentaries of the *Amera côsha* is the *Padra chandricâ*, compiled from sixteen older commentaries by VRĪHASPATI surnamed MUCUTĀ, or

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AMĒRA is mentioned in an inscription at *Budd'ba gayâ* as the founder of a temple at that place. (As. Res. v. I. p. 284). This circumstance may serve to explain why his works have been proscribed with peculiar inveteracy, as it is acknowledged by many *Pandits* that they have been. He was probably a zealous sectarist.

This is, however, by no means certain: and BHA'NUJĪ D'IS-CHITĀ, in his commentary on the *Amera côsha*, denies that there is any evidence to prove that the author belonged to the sect of JĀINAS.

at full length RĀYA MUCUT'A MAN'I. It appears from the incidental mention of the years then expired of astronomical eras, that MUCUT'A made this compilation in the 4532d year of the *Cali yug*, which corresponds with A. D. 1430. ACHYUTA JALLACI has abridged MUCUT'A's commentary, but without acknowledgment, and has given the title of *Vyāc'hya pradīpa* to his compendium. On the other hand, BHĀNUJĪ-DĪCĀHITA has revised the same compilation, and has corrected the numerous errors of MUCUT'A: who often derives words from roots that are unknown to the language; or according to rules which have no place in its grammar. BHĀNUJĪ has greatly improved the plan of the work, by inserting from other authorities the various acceptations of words exhibited by AMERA in one or two senses only. This excellent compilation is entitled *Vyāc'hya sud'hā*.

THE *Amera cōsha*, as has been already hinted, gives a very incomplete list of words that have various acceptations. This defect is well supplied by the *Mēdinī*, a dictionary so named from its author MĒDINICAR. It contains words that bear many senses, arranged in alphabetical order by the final consonants; and a list of homonymous indeclinables is subjoined to it. A similar dictionary, compiled by MAHĒŚWARA, and entitled *Viśwa pracīna*, is much consulted, though it be very defective, as has been justly remarked by MĒDINICAR. It contains, however, a very useful appendix on words spelt more than one way; and another on letters which are liable to be confounded, such as *v* and *b*; and another again on the gender of nouns. These subjects are not separately treated by MĒDINICAR; but he has on the other hand specified the genders with great care in the body of the work. The exact age of the *Mēdinī* is not certainly known; but it is older than MUCUT'A's compilation, since it is quoted by this author.

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AMERA's dictionary does not contain more than ten thousand different words. Yet the *Sanskrit* language is very copious. The insertion of derivatives, that do not at all deviate from their regular and obvious import, has been very properly deemed superfluous. Compound epithets, and other compound terms, in which the *Sanskrit* language is peculiarly rich, are likewise omitted; excepting such as are especially appropriated, by a limited acceptance, either as titles of Deities, or as names of plants, animals, &c. In fact compound terms are formed at pleasure, according to the rules of grammar; and must generally be interpreted in strict conformity with those rules. Technical terms too are mostly excluded from general dictionaries, and consigned to separate nomenclatures. The *Ameracôsh* then is less defective than might be inferred from the small number of words explained in it. Still, however, it needs a supplement. The *Hārāvalī* may be used as such. It is a vocabulary of uncommon words, compiled by PURUSHÓTTAMA, the author of an etymological work, and also of a little collection of monograms, entitled *E'cáçshara*. His *Hārāvalī* was compiled by him under the patronage of D'HRĪTA SINHA. It is noticed by MÉDINICAR, and seems to be likewise anterior to the *Vis'wa*.

The remaining deficiencies of the *Ameracôsh* are supplied by consulting other dictionaries and vocabularies; such as HELÁYND'HA's, VÁCHESPATI's, the *Dharanícôsha*, or some other. *Sanskrit* dictionaries are indeed very numerous. PURUSHÓTTAMA and MÉDINICAR name the *Utpalíní*, *Sabdárñāva* and *Sansárāvārta*, as works consulted by them. PURUSHÓTTAMA adds the names of VÁCHESPATI, VYÁD'Ī and VICRAMÁDITYA; but it is not quite clear whether he mentions them as the authors and patrons of these, or of other dictionaries. MÉDINICAR adds a fourth vocabulary called *Nāma-málá*, and with similar obscurity subjoins the celebrated

brated names of BHÁGURI, VARARUCHI, SÁŚWATA, BÓPÁLITA and RANTIDÉVA. He then proceeds to enumerate the dictionaries of AMERA, SUBHÁNGA, HELÁYND'HA, GÓVERD'HANA, RADHASA PÁLA, and the *Ratnacósha*; with the vocabularies of RUDRA, DHANANJAYA, and GANGÁD'HARA; as also the *Dharanícósha*, *Háravali*, *Vṛihadamara*, *Tricán'dasésha* and *Ratnamálà*. Many of these are cited by the commentators on AMERA, and by the scholiasts on different poems. The following are also frequently cited; some as etymologists, the rest as lexicographers: SWÁMÍ, DURGA, SARVADHARA VÁMANA, CHANDRA, and the authors of the *Vaijaynti Námavid'hana*, *Haima*, *Vṛihat-nighanti*, &c. To this list might be added the *Anécárt'ha*, *dwani manjari Nánárt'ha*, and other vocabularies of homonymous terms; the *Dwiructi*, *Bhuriprayóga cósha*, and other lists of words spelt in more than one way; and the various *Nighantis* or nomenclatures, such as the *Dhanwantari-nighanta* and *Rájanighanta*, which contain lists of the materia medica; and the *Nighanti* of the *Véda*, which explains obsolete words and unusual acceptations*.

BEFORE I proceed to mention other languages of India, it may be proper to mention, that the school of Benares now uses the *Siddhánta caumudí*, and other works of BHATTÓJÍ, as the same school formerly did the *Cásicá vṛitti*. The *Pracriyá caumudí*, with its commentaries, maintains its ground among the learned of Mit'hilá or Tirhút. In both places, however, and indeed throughout India, the *Mahábháshya* continues to be the standard of Sanscrit grammar. It is therefore studied by all who are ambitious of acquiring a critical knowledge of the language. The *Haricáricá*, with its commentaries

* The *Niructi*, as explained in Sir WILLIAM JONES's treatise on the literature of the *Hindus*, belongs to the same class with the *Nighanti* of the *Véda*: and a small vocabulary under both these titles is commonly annexed to the *Rîgvéda* to complete the set of *Upavédas*. There is however a much larger work entitled *Niructi*; and the commentators of it are often cited upon topics of general grammar.

tares by HĒLĀRĀJA and PUNJĀRĀJA, was probably in use with a school that once flourished at *Ujjayini*: but it does not seem to be now generally studied in any part of India.

The second class of Indian languages comprehends the written dialects which are now used in the intercourse of civil life, and which are cultivated by lettered men. The author of a passage already quoted includes all such dialects under the general denomination of *Prácrit*: but this term is commonly restricted to one language, namely to the *Saraswati bála bánti*, or the speech of children on the banks of the *Saraswati**. There is reason to believe that ten polished dialects formerly prevailed in as many different civilized nations, who occupied all the fertile provinces of *Hindustán* and the *Dekhin*. Evident traces of them still exist. They shall be noticed in the order in which these *Hindu* nations are usually enumerated.

The *Sáreswata* was a nation which occupied the banks of the river *Sáraswati*. *Bráhmaṇas* who are still distinguished by the name of their nation, inhabit chiefly the *Penjáb* or *Panchanada*, west of the river from which they take their appellation. Their original language may have once prevailed through the southern and western parts of *Hindustán* proper, and is probably the idiom to which the name of *Prácrit* is generally appropriated. This has been more cultivated than any other among the dialects which will be here enumerated, and it occupies a principal place in the dialogue of most dramas. Many beautiful poems composed wholly in this language, or intermixed with stanzas of pure *Sanskrit*, have perpetuated the memory of it, though perhaps it have long ceased to be a vernacular tongue. Grammars have been compiled for the purpose of teaching this language and its prosody, and several treatises

* The term will bear a different interpretation: but this seems to be the most probable explanation of it. The other (youthful speech of *Saraswati*) is generally received.

treatises of rhetorick have been written to illustrate its beauties. The *Prácr̥ita manóramā* and *Prácr̥ita Pingala* are instances of the one, and the *Saraswatī Cant'ābharan'a* of BHŌJADĒVA may be named as an example of the other, although both *Sanskrit* and *Prácrit* idioms furnish the examples with which that author elucidates his precepts. For the character of the *Prácrit* language I must refer the reader to Sir WILLIAM JONES'S remarks in his preface to the translation of the Fatal Ring.

THE *Cányacubjas* possessed a great empire, the metropolis of which was the ancient city of *Cányacubja* or *Canóbj*. Theirs seems to be the language which forms the ground-work of modern *Hindustáni*, and which is known by the appellation of *Hindī* or *Hindeví*. Two dialects of it may be easily distinguished, one more refined, the other less so. To this last the name of *Hindī* is sometimes restricted, while the other is often confounded with *Prácrit*. Numerous poems have been composed in both dialects, not only before the *Hindustáni* was ingrafted on the *Hindī* by a large intermixture of Persian, but also in very modern times, by *Muhammedan* as well as *Hindu* poets. *Dóhrás* or detached couplets, and *Cabits* or stanzas, in the *Hindeví*, may be found among the works of *Muslemán* authors; it will be sufficient to instance those of MELIC MUHAMMED JAISI', MUHAMMED AFZEL, and AMÍRKHA'N ANJA'M. Most poems in this dialect are, however, the exclusive production of *Hindu* poets*. On examin-

* Among the most admired specimens of *Hindī* poetry, the seven hundred couplets of BIHA'RI'LA'L, and the amatory verses of SU'NDER and of MATIRA'M, are conspicuous. But their dialect is not pure *Hindeví*; since they sometimes borrow from the Persian language. SU'NDER wrote his poems in the reign of SHA'HJEHA'N, and seems to have been patronized by that prince, whom he praises in his preface. BIHA'RI'LA'L flourished at the court of *Ambhér*, towards the beginning of the sixteenth century of the Christian era. His poems were arranged in their present order for the use of the unfortunate prince A'ZIM

ing them the affinity of *Hindī* with the *Sanscrit* language is peculiarly striking; and no person acquainted with both can hesitate in affirming that *Hindī* is chiefly borrowed from *Sanscrit*. Many words of which the etymology shows them to be the purest *Sanscrit*, are received unaltered; many more undergo no change but that of making the final vowel silent; a still greater number exhibits no other difference than what arises from the uniform permutation of certain letters; the rest too, with comparatively few exceptions, may be easily traced to a *Sanscrit* origin. That this is the root from which *Hindī* has sprung, (not *Hindī* the dialect whence *Sanscrit* has been refined,) may be proved by etymology, the analogy of which is lost in *Hindī* and preserved in *Sanscrit*. A few examples will render this evident.

CRÍVÁ signifies action, and *Carma* act, both of which are regularly derived from the root *Crī* to do. They have been adopted into *Hindustáni*, with many other regular derivatives of the same root; (such, for example, as *Caraná* [contracted into *Carná*] the act of doing; *Cartá* the agent; *Cáraní* cause, or the means of doing; *Cárya* [*Cárj*, *Cáj*,] the thing to be done, and the intent or purpose of the action.) But I select these two instances, because both words are adopted into *Hindustáni* in two several modes. Thus *Críá* signifies action, and *Ciríá* expresses one metaphorical sense of the same *Sanscrit* word, viz. oath or ordeal. Again, *Ciríá-caram* signifies funeral rites; but *Cám* is the most usual form in which the *Sanscrit* *Carma* is exhibited in the *Hindustáni*; and it thus assumes the same form with *Cám*, desire, a very different word taken from the *Sanscrit* derivative of the root *Cam*, to seek: here then, *Hindustáni* con-
founds

A'ZEM SHA'H; and the modern edition is therefore called *A'zembábi*. The old edition has been elegantly translated into *Sanscrit* verse, by HIRIPRASA'DA' PANDITA, under the patronage of CHÉ'T SIN'H, when Raja of Benares.

founds two very different words in one instance, and makes two words out of one in the other instance.

SAT literally signifies existent, it is employed in the acceptation of truth; *Satya*, a regular derivative from it, signifies true; or, employed substantively, truth. The correspondent *Hindī* word, *sach*, is corrupted from the *Sanskrit* *satya*, by neglecting the final vowel, by substituting *j* for *y*, according to the genius of the *Hindevi* dialect, and by transforming the harsh combination *tj* into the softer sound of *ch*. Here then is obviously traced the identity of the *Hindustani* *sach*, and *Bengali* *shōtyo*, which are only the same *Sanskrit* word *satya* variously pronounced.

YUVAN signifies young, and *yāvana* youth; the first makes *Yuvā* in the nominative case: this is adopted into *Hindustani* with the usual permutation of consonants, and becomes *Jubā*, as *Yavana* is transformed into *Jābān*. The same word has been less corrupted in Persian and Latin, where it stands *Juvān* and *Juvenis*. In many inflections the root of *Yuvan* is contracted into *Yūn*, the possessive case, for example, forms in the three numbers, *Yūnas*, *Yūnōs*, *Yūnām*: here, then, we trace the origin of the Latin comparative *Junior*; and I cannot hesitate in referring to these *Sanskrit* roots, the Welsh *Jecangh*, and Armorican *Jocānk*, as well as the Saxon *Yeong*, and finally the English *Young*. This analogy, which seems evident through the medium of the *Sanskrit* language, is wholly obscured in *Hindustani*.

THESE examples might be easily multiplied, but unprofitably, I fear; for, after proving that nine-tenths of the *Hindī* dialect may be traced back to the *Sanskrit* idiom, there yet remains the difficulty of accounting for the remaining tenth, which is perhaps the basis of the *Hindī* language. Sir WILLIAM JONES thought it so, and he thence inferred, that the pure *Hindī* was primeval in Upper India; into which the *Sanskrit* was introduced by conquer-

ors from other kingdoms in some very remote age *. This opinion I do not mean to controvert. I only contend, that where similar words are found in both languages, the *Hindī* has borrowed from *Sanscrit*, rather than the *Sanscrit* from *Hindī*. It may be remarked too, that in most countries the progress has been from languages rich in inflections, to dialects simple in their structure. In modern idioms, auxiliary verbs and appendant particles supply the place of numerous inflections of the root : it may, for this reason, be doubted, whether the present structure of the *Hindī* tongue be not a modern refinement. But the question, which has been here hinted rather than discussed, can be decided only by a careful examination of the oldest compositions that are now extant in the *Hindī* dialect. Until some person execute this task, a doubt must remain, whether the ground-work of *Hindī*, and consequently of *Hindustāni*, be wholly distinct from that of *Sanscrit*.

On the subject of the modern dialect of Upper India, I with pleasure refer to the works of a very ingenious member of this society, Mr. GILCHRIST, whose labours have now made it easy to acquire the knowledge of an elegant language, which is used in every part of *Hindustān* and the *Dekhin*; which is the common vehicle of colloquial intercourse among all well educated natives, and among the illiterate also in many provinces of India, and which is almost every where intelligible to some among the inhabitants of every village. The dialects, which will be next noticed, are of more limited use.

GAURA †, or, as it is commonly called, *Bengalah*, or *Bengālī*, is the language spoken in the provinces,
of

* Third anniversary discourse.

† It is necessary to remark, that although *Gaura* be the name of *Bengal*, yet the *Bráhmans*, who bear that appellation, are not inhabitants of *Bengal* but of *Hindustán* proper. They reside chiefly in the *Suba* of *Delhi*; while the *Bráhmans* of *Bengal* are avowed color
nists

of which the ancient city of *Gaur* was once the capital; it still prevails in all the provinces of Bengal, excepting perhaps some frontier districts, but is said to be spoken in its greatest purity in the eastern parts only; and, as there spoken, contains few words which are not evidently derived from *Sanskrit*. This dialect has not been neglected by learned men. Many *Sanskrit* poems have been translated, and some original poems have been composed in it; learned *Hindus* in Bengal speak it almost exclusively; verbal instruction in sciences is communicated through this medium, and even publick disputations are conducted in this dialect. Instead of writing it in the *Dēva-nāgarī*, as the *Prācrit* and *Hindevi* are written*, the inhabitants of Bengal have adopted a peculiar character, which is nothing else but *Dēva-nāgarī*, deformed for the sake of expeditious writing. Even the learned amongst them employ this character for the *Sanskrit* language, the pronunciation of which too they in like manner degrade to the *Bengālī* standard. The labours of Mr. HALHED and Mr. FORSTER have already rendered a knowledge of the *Bengālī* dialect accessible, and Mr. FORSTER's further exertions will still more facilitate the acquisition of a language, which cannot but be deemed greatly useful, since it prevails throughout the richest and most valuable portion of the British possessions in India.

MAIT'HILA

nifts from *Canōj*. It is difficult to account for this contradiction. The *Gaura Bráhmaṇas* alledge a tradition, that their ancestors migrated in the days of the *Pándavas*, at the commencement of the present *Culī Yuga*. Though no plausible conjecture can be founded on this tradition, yet I am induced to retract a conjecture formerly hazarded by me; that the *Gar* of our maps was the original country of the *Gaura* priests.

* *Prācrit* and *Hindī* books are commonly written in the *Dēva-nāgarī*; but a corrupt writing, called *Nāgarī*, is used by *Hindus* in all common transactions where *Hindī* is employed by them; and a still more corrupted one, wherein vowels are for the most part omitted, is employed

MAIT'HILA, or *Tirhutíya*, is the language used in *Mit'hilá*, that is, in the *Sircár* of *Tirhút*, and in some adjoining districts, limited however by the rivers *Cusí* (*Causicí*,) and *Gandhac* (*Gandhací*,) and by the mountains of *Népál*: it has great affinity with *Bengálí*; and the character in which it is written differs little from that which is employed throughout Bengal. In *Tirhút*, too, the learned write *Sanscrit* in the *Tirhutíya* character, and pronounce it after their own inelegant manner. As the dialect of *Mit'hilá* has no extensive use, and does not appear to have been at any time cultivated by elegant poets, it is unnecessary to notice it further in this place.

UTCALA, or *Od'radésa*, is co-extensive with the *Subá* of *Orísá*, extending from *Médinípur* to *Má-nacapattana*, and from the sea to *Sammall-púr*. The language of this province, and the character in which it is written, are both called *Uriya*. So far as a judgment can be formed from imperfect specimens of this language, it contains many *Sanscrit* words variously corrupted, with some Persian and Arabick terms borrowed through the medium of *Hindustáni*, and with others of doubtful origin. The letters are evidently taken from the *Dévanágari*; and the *Bráhmens* of this province use the *Uriya* character in writing the *Sanscrit* language: its deviations from the *Dévanágari* may be explained, from the practice of writing on palm leaves with an iron style, or on paper with a pen cut from a porcupine's quill. It differs in this respect from the hand-writing of northern tribes, and is analogous to that of the southern inhabitants of the peninsula.

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employed by bankers and others in mercantile transactions. I must here confess that I can give no satisfactory explanation of the term. The common etymology of *Nágari* is unsatisfactory; unless *Nagara* be taken as the name of some particular place emphatically called the city.

THE five *Hindu* nations, whose peculiar dialects have been thus briefly noticed, occupy the northern and eastern portions of India; they are denominated the five *Gaur*s. The rest, called the five *Drávid*s, inhabit the southern and western parts of the peninsula. Some *Pandits* indeed exclude *Car'náta*, and substitute *Cásmíra*; but others, with more propriety, omit the *Cáshmirian* tribe; and, by adding the *Cá-naras* to the list of *Drávid*s, avoid the inconsistency of placing a northern tribe among southern nations. There is reason too for doubting whether *Cáshmirá* be occupied by a distinct nation, and whether the inhabitants of it be not rather a tribe of *Cányacubjas*.

DRÁVIRA is the country which terminates the peninsula of India. Its northern limits appear to lie between the twelfth and thirteenth degrees of north latitude. The language of the province is the *Támel*, to which Europeans have given the name of *Malabar**, from *Malay-wár*, a province of *Drávira*. They have similarly corrupted the true name of the dialect into *Tamul*, *Tamulic*, and *Tamulian*†: but the word, as pronounced by the natives, is *Támila*, or *Támalah*; and this seems to indicate a derivation from *Támra*, or *Támraparní* a river of note, which waters the southern *Máthura*, situated within the limits of *Drávid*. The provincial dialect is written in a character which is greatly corrupted from the parent *Dévanágari*, but which nevertheless is used by the *Bráhmens* of *Drávid* in writing the *Sanskrit* language. After carefully inspecting a grammar published by Mr. DRUMMOND at Bombay, and a dictionary by missionaries

* A learned *Bráhmen* of *Drávira* positively assures me, that the dialect of Malabar, though confounded by Europeans with the *Támel*, is different from it; and is not the language to which Europeans have allotted that appellation.

† The Romish and Protestant missionaries who have published dictionaries and grammars of this dialect, refer to another language, which they denominate *Grandam* and *Grandonicum*. It appears that *Sanskrit* is meant, and the term thus corrupted by them is *Grant'ba*, a volume or book.

missionaries at Madras, I can venture to pronounce that the *Támila* contains many *Sanscrit* words, either unaltered or little changed, with others more corrupted, and a still greater number of doubtful origin.

THE *Maháráshtra* or *Mahrátta* is the language of a nation which has in the present century greatly enlarged its antient limits. If any inference may be drawn from the name of the character in which the language is written, the country occupied by this people was formerly called *Múru**; for the peculiar corruption of the *Dévanagari*, which is employed by the *Maháráshtras* in common transactions, is denominated by them *Múr*. Their books, it must be remarked, are commonly written in *Dévanagari*. The *Mahrátta* nation was formerly confined to a mountainous tract situated south of the river *Nermada*, and extending to the province of *Cócán*. Their language is now more widely spread, but is not yet become the vernacular dialect of provinces situated far beyond the antient bounds of their country. Like other Indian tongues, it contains much pure *Sanscrit*, and more corruptions of that language intermixed with words borrowed from Persian and Arabick, and with others derived from an unknown source. If the bards of *Múru* were once famous, their supposed successors, though less celebrated, are not less diligent. The *Mahrátta*s possess many poems in their own dialect, either translated from the *Sanscrit*, or original compositions in honour of *CRISHNÁ*, *RAMÁ*, and other deified heroes. Treatises in prose too, on subjects of logick and of philosophy, have been composed in the *Mahrátta* dialect.

CARNÁTÁ, or *Cárnara*, is the antient language *Carnátaca*, a province which has given name to tracts on both coasts of the peninsula. This dia-

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Mentioned in the royal grant preserved at a famous temple in *Uttara*. See *As. Res. v. III. p. 48*. However, the *Mahrátta*s themselves affirm, that the *Múru* character was introduced amongst from the island of *Silán*.

lect still prevails in the intermediate mountainous tract, but seems to be superseded by other provincial tongues on the eastern coast. A peculiar character formed from the *Dévanágari*, but like the *Támila*, much corrupted from it through the practice of writing on palm-leaves with an iron style, is called by the same name with the language of *Carná'tic*. *Bráhmens* of this tribe have assured me that the language bears the same affinity to *Sanskrit* as other dialects of the *Dacshin*. I can affirm too, from their conversation, that the *Cánaras*, like most other southern tribes, have not followed the ill example of Bengal and the provinces adjacent to it, in pronouncing the *Sanskrit* language in the same inelegant manner with their own provincial dialects.

TAILANGA, *Télingah*, or *Tilanga*, is at once the name of a nation, of its language, and of the character in which that language is written. Though the province of *Telingána* alone retain the name in published maps of India, yet the adjacent provinces on either bank of *Crishná* and *Góddáveri*, and those situated on the north-eastern coast of the peninsula, are undoubtedly comprehended within the ancient limits of *Tilanga*, and are inhabited chiefly by people of this tribe. The language too is widely spread: and many circumstances indicate that the *Tailungas* formerly occupied a very extensive tract, in which they still constitute the principal part of the population. The character in which they write their own language is taken from *Dévanágari*, and the *Tailanga Bráhmens* employ it in writing the *Sanskrit* tongue, from which the *Tailanga* idiom is said to have borrowed more largely than other dialects used in the south of India. This language appears to have been cultivated by poets, if not by prose writers, for the *Tailungas* possess many compositions in their own provincial dialect, some of which are said to record the ancient history of the country.

THE province of *Gúrjara** does not appear to have been at any time much more extensive than the modern *Guzrát*, although *Bráhmaṇas* distinguished by the name of that country, be now spread over the adjoining provinces on both sides of the *Nermadá*. This tribe uses a language denominated from their own appellation, but very nearly allied to the *Hindī* tongue, while the character in which it is written conforms almost exactly with vulgar *Nágarī*. Considering the situation of their country, and the analogy of language and writing, I cannot hesitate in thinking that the *Gurjaras* should be considered as the fifth northern nation of India, and the *U'riyas* should be ranked among the tribes of the *Dacshin*.

BRIEF and imperfect as is this account of the *Prácrits* of India, I must be still more concise in speaking of the languages denominated *Māgadhi* and *Apabhraṇsa* in the passages quoted at the beginning of this essay. Under these names are comprehended all those dialects which, together with the *Prácrits* above noticed, are generally known by the common appellation of *Bhāshá*, or speech. This term, as employed by all philologists from PA'N'INI down to the present professors of grammar, does indeed signify the popular dialect of *Sanscrīt*, in contradistinction to the obsolete dialect of the *Véda*; but in common acceptation, *Bhākhá* (for so the word is pronounced on the banks of the Ganges) denotes any of the modern vernacular dialects of India, especially such as are corrupted from the *Sanscrīt*: these are very numerous. After excluding mountaineers, who are probably aborigines of India, and whose languages have certainly no affinity with *Sanscrīt*, there yet remain in the mountains and islands contiguous to India, many tribes that seem to be degenerate *Hindus*;

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* The limits of *Gúrjara*, as here indicated, are too narrow. It seems to have been co-extensive with the antient, rather than the modern *Guzrát*, and to have included the whole, or the greatest part of Candesh and Malwa.

they have certainly retained some traces of the language and writing which their ancestors had been taught to employ.

WITHOUT passing the limits of *Hindustán*, it would be easy to collect a copious list of different dialects in the various provinces, which are inhabited by the ten principal *Hindu* nations. The extensive region which is nearly defined by the banks of the *Saraswatí* and *Gangá* on the north, and which is strictly limited by the shores of the eastern and western seas towards the south, contains fifty-seven provinces according to some lists, and eighty-four according to others. Each of these provinces has its peculiar dialect, which appears, however, in most instances, to be a variety only of some one among the ten principal idioms. Thus *Hindustán*, which seems to be the lineal descendant of the *Cányacubja*, comprises numerous dialects from the *Orduzebán*, or language of the royal camp and court, to the barbarous jargon which reciprocal mistakes have introduced among European gentlemen and their native servants. The same tongue, under its more appropriate denomination of *Hindi*, comprehends many dialects strictly local and provincial. They differ in the proportion of Arabick, Persian and *Sanskrit*, either pure or slightly corrupted, which they contain; and some shades of difference may be also found in the pronunciation, and even in the basis of each dialect.

NOT being sufficiently conversant with all these idioms, I shall only mention two, which are well known, because lyric poets have employed them in songs, that are still the delight of natives of all ranks. I allude to the *Penjábí* and to the *Brij-bhákha*. The first is the language of *Panchanada*, or *Penjáb*, a province watered by the five celebrated rivers which fall into the *Sind'hu*. The songs entitled *Khéals* and *Teppas*, which are no doubt familiar to all who have a taste for the vocal music of India, are composed almost

almost exclusively in this dialect; as the *Dhurpeds* and regular *Rags* are in *Hindí*, and *Rékhtah**, in the language of the court of *Hindustán*.

THE *Brij-bhákshá*, or *Vraja-bhákshá*, is the dialect supposed to have been anciently spoken among the peasants in the neighbourhood of *Mat'hurá*. It derives its name from the cowpens (*Vraja*) and dairies in the forest of *Vrindá*, where CRISHN'A was educated among the wives and daughters of the cowherds. His amorous adventures with RA'D'HA' and the *Gópis* furnish the subject of many favourite songs in this dialect. It is still spoken with much purity throughout a great part of the *Antarbéd*, or *Dabá*, and in some districts on the opposite banks of the *Yamuná* and *Gangá*.

To these cursory observations might be fitly added a specimen of each language, and of the character in which it is written, together with a list of the most common terms in the various dialects of India, compared with words of similar sound and import in the ancient languages of Europe. I have indeed made collections for this purpose, but the insertion of a copious list would exceed the limits of a desultory essay. For this reason, and because the collection is yet incomplete, I suppress it; and shall here close the present essay abruptly, with the intention of resuming the subject, should the further prosecution of these inquiries at any future time enable me to furnish the information called for by this society, concerning the number of *Hinduví* dialects, and the countries where they are spoken.

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* The author of the *Tenzareb Shúárá Hind* explains *Rékhtab* as signifying any poetry composed in the language of the royal court of *Hindustán*, but in the style and metre of Persian poetry.

VIII.

*On the Religious Ceremonies of the HINDUS,
and of the BRA'MENS especially.*

By H. T. COLBEROKE, Esq.

ESSAY II.

A FORMER essay on this subject* described the daily ablutions performed with prayers and acts of religion by every *Bráhmén*. His next daily duty is the performance of the five great sacraments. The first, consisting in the study of the *Véda*, has been already noticed; the sacraments of the manes, of deities, and of spirits, slightly touched upon in the first essay, will be made the subject of the present one; and the hospitable reception of guests will be followed in the next by a description of the various ceremonies, which must be celebrated at different periods from the birth to the marriage of a *Hindu*.

The sacrament of deities consists in oblations to fire with prayers addressed to various divinities; and it is exclusive of the offerings of perfumes and blossoms before idols. It does not fall within my present plan to describe the manner in which the several sects of *Hindus*† adore their gods, or the images of them; and I shall therefore restrict myself to explain the oblations to fire, and then proceed to describe funeral rites and commemorative obsequies, together with the daily offerings of food and water to the manes of ancestors.

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* Asiatic Researches, vol. v. p. 345.

† See note A.

I AM guided by the author now before me* in premising the ceremony of consecrating the fire, and of hallowing the sacrificial implements; "because this ceremony is, as it were, the ground-work of all religious acts."

FIRST, the priest smears with cow-dung a level piece of ground four cubits square, free from all impurities, and sheltered by a shed. Having bathed and sipped water, he sits down with his face towards the east, and places a vessel of water with *cus'a* grass† on his left; then, dropping his right knee, and resting on the span of his left hand, he draws with a root of *cus'a* grass a line one span, or twelve fingers long, and directed towards the east. From the nearest extremity of this line, he draws another at right angles to it, twenty-one fingers long, and directed towards the north. Upon this line he draws three others, parallel to the first, equal to it in length, and distant seven fingers from each other. The first line is really, or figuratively, made a yellow line, and is sacred to the earth; the second is red, and sacred to fire; the third black, and sacred to BRAHMA' the creator; the fourth blue, and sacred to INDRA the regent of the firmament; the fifth white, and sacred to SÓMA. He next gathers up the dust from the edges of these lines, and throws it away towards the north-east, saying, "what was [*herein*] bad,

* In the former essay, my chief guide was HELA'TUD'HA, who has given very perspicuous explanations of the *mantras* (or prayers used at religious ceremonies) in several treatises, particularly in one entitled *Brámaná-servavva*. In the present essay, I likewise use a ritual composed by BHAVAN'VA for the use of *Sáma-védi* priests, and a commentary on the *mantras* by GUN'A VISH'NU, as also the *A'chára-chandricá* (a treatise on religious ceremonies observed by 'Sudras, but including many of those performed by other classes), and the *Acháráderí'd*, a treatise on daily duties.

† *Poa Cynosaroides*. KÖRNIG. On the new moon of *Bhádra*, a sufficient quantity of this sort of grass is provided for use during the whole year.

bad, is cast away:" and he concludes by sprinkling water on the several lines.

HAVING thus prepared the ground for the reception of the sacrificial fire, he takes a lighted ember out of the covered vessel which contains the fire, and throws it away, saying, "I dismiss far away carnivorous fire: may it go to the realm of YAMA, bearing sin [*hence*]." He then places the fire before him, saying, "Earth! Sky! Heaven!" and adding, "this other [*harmless*] fire alone remains here; well knowing [*its office*], may it convey my oblation to the Gods." He then denominates the fire according to the purpose for which he prepares it, saying, "Fire! thou art named so and so;" and he concludes this part of the ceremony by silently burning a log of wood, one span long, and smeared with clarified butter.

He next proceeds to place the *Brahmá* or superintending priest. Upon very solemn occasions, a learned *Brahmáná* does actually discharge the functions of superintending priest; but, in general, a bundle containing fifty blades of *cus'a* grass is placed to represent the *Brahmá*. The officiating priest takes up the vessel of water, and walks round the fire keeping his right side turned towards it: he then pours water near it, directing the stream towards the east; he spreads *cus'a* grass thereon; and, crossing his right knee over his left without sitting down, he takes up a single blade of grass between the thumb and ring finger of his left hand, and throws it away towards the southwest corner of the shed, saying, "what was herein bad, is cast away." Next, touching the water, resting the sole of his right foot on his left ankle, and sprinkling the grass with water, he places the *Brahmá* on it, saying, "sit on [*this*] seat until [*thy*] fee [*be paid thee*]." The officiating priest then returns by the same road by which he went round the fire; and sitting down again with

with his face towards the east, names the earth inaudibly.

If any profane word have been spoken during the preceding ceremony, atonement must now be made by pronouncing this text: "Thrice did VISHN'U step, and at three strides traversed the universe: happily was his foot placed on the dusty [*earth*]." The meaning is, since the earth has been purified by the contact of VISHN'U's foot, may she (the earth so purified) atone for any profane word spoken during this ceremony.

If it be intended to make oblations of rice mixed with milk, curds and butter, this too is the proper time for mixing them; and the priest afterwards proceeds to name the earth in the following prayer, which he pronounces with downcast look, resting both hands on the ground: "We adore this earth; "this auspicious and most excellent earth: Do "thou, O fire! resist [*our*] enemies. Thou dost "take [*on thee*] the power [*and office*] of other " [*dcities*]."

WITH blades of *cus'a* grass held in his right hand; he must next strew leaves of the same grass on three sides of the fire, arranging them regularly, so that the tip of one row shall cover the roots of the other. He begins with the eastern side, and at three times strews grass there, to cover the whole space from north to south; and in like manner distributes grass on the southern and western sides. He then blesses the ten regions of space; and rising a little, puts some wood* on the fire with a ladle full of clarified butter, while he meditates in silence on **БРАHMA'** the lord of creatures.

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* The fuel used at sacrifices must be wood of the racemiferous fig-tree, the leafy Butea, or the Catechu Mimosa. It should seem, however, that the prickly *Adenanthera*, or even the Mango, may be used. The wood is cut into small logs, a span long, and not thicker than a man's fist.

The priest then takes up two leaves of *cus'a* grass, and with another blade of the same grass, cuts off the length of a span, saying "Pure leaves! be sacred to VISHNÚ;" and throws them into a vessel of copper or other metal. Again he takes two leaves of grass, and holding the tips between the thumb and ring finger of his right hand, and the roots between the thumb and ring finger of his left, and crossing his right hand over his left, he takes up clarified butter on the curvature of the grass, and thus silently casts some into the fire three several times. He then sprinkles both the leaves with water, and throws them away. He afterwards sprinkles with water the vessel containing clarified butter, and puts it on the fire and takes it off again three times, and thus concludes the ceremony of hallowing the butter; during the course of which, while he holds the leaves of grass in both hands, he recites this prayer, "May the divine generator, [VISHNU,] purify thee by means of [*this*] faultless pure leaf; and may the sun do so by means of [*his*] rays of light! be this oblation efficacious."

THE priest must next hallow the wooden ladle by thrice turning therein his fore-finger and thumb, describing with their tips the figure of 7 in the inside, and the figure of 9 on the outside of the bowl of the ladle. Then dropping his right knee, he sprinkles water from the palms of his hands on the whole southern side of the fire, from west to east, saying, "ADITI! [mother of the Gods] grant me thy approbation." He does the same on the whole western side, from south to north, saying, "ANUMATI!* grant me thy approbation;" and on the northern side, saying "SARASWATI! grant me thy approbation." And lastly he sprinkles water all round the fire, while he pronounces this text, "Generous sun! approve

* The moon wanting a digit of full.

approve this rite ; approve the performer of it, that he may share its reward. May the celestial luminary, which purifies the intellectual soul, purify our minds. May the lord of speech make our prayers acceptable."

HOLDING *cus'a* grass in both hands, he then recites an expiatory prayer, which will be inserted in another place ; and throwing away the grass, he thus finishes the hallowing of the sacrificial implements : a ceremony which necessarily precedes all other religious rites.

HE next makes oblations to fire with such ceremonies, and in such form as are adapted to the religious rite which is intended to be subsequently performed. The sacrifice, with the three mysterious words, usually precedes and follows the particular sacrifice which is suited to the occasion ; being most generally practised, it will be the most proper specimen of the form in which oblations are made.

HAVING silently burnt a log of wood smeared with clarified butter, the priest makes three oblations, by pouring each time a ladle full of butter on the fire, saying, "Earth ! be this oblation efficacious : " "Sky ! be this oblation efficacious : " "Heaven ! be this oblation efficacious." (On some occasions he makes a fourth offering in a similar mode, saying "Earth ! Sky ! Heaven ! be this oblation efficacious." If it be requisite to offer a mixture of rice, milk, curds and butter, this is now done, and the oblations, accompanied with the names of the three worlds, are repeated.

As another instance of oblations to fire, the sacrifice to the nine planets may deserve notice. This consists of nine oblations of clarified butter, with the following prayers :

1. "THE divine sun approaches with his golden car, returning alternately with the shades of night, rousing mortal and immortal beings, and surveying
" worlds :

“ worlds : May this oblation to the solar planet be
“ efficacious.”

2. “ Gods ! produce that [*Moon*] which has no
“ foe, which is the son of the solar orb, and be-
“ came the offspring of space, for the benefit of this
“ world *; produce it for the advancement of know-
“ ledge, for protection from danger, for vast supre-
“ macy, for empire, and for the sake of *INGRA*’s or-
“ gans of sense : May this oblation to the lunar
“ planet be efficacious.”

3. “ *THIS* gem of the sky, whose head resembles
“ fire, is the lord of waters, and replenishes the seeds
“ of the earth : May this oblation to the planet *Mars*
“ be efficacious.”

4. “ *BE* roused O fire ! and thou [*O BUD’HA*] !
“ perfect this sacrificial rite, and associate with us ;
“ let this votary and all the Gods sit in this most
“ excellent assembly. May this oblation to the
“ planet *Mercury* be efficacious.”

5. “ O *VRĪHASPATI*, sprung from eternal truth,
“ confer on us abundantly that various wealth
“ which the most venerable of beings may revere ;
“ which shines gloriously amongst all people, which
“ serves to defray sacrifices, which is preserved by
“ strength. May this oblation to the planet *Jupiter*
“ be efficacious.”

6. “ *THE* lord of creatures drank the invigorating
“ essence distilled from food ; he drank milk and
“ the juice of the moon plant. By means of scrip-
ture,

* According to one legend, a ray of the sun, called *sushumna*, be-
came the moon ; according to another, a flash of light from the eye of
ATRI was received by space, a goddess ; she conceived and bore *Sóma*,
who is therefore called a son of *ATRI*. This legend may be found in
the *Hariwans’a*. *CA’LIDA’SÁ* alludes to it in the *Raghuwans’a*,
(b. 2. v. 75) comparing *SUDACSHIN’A’*, when she conceived *RAGHU*,
to the *via lactea* receiving the luminary which sprung from the eye
of *ATRI*.

“ture, which is truth itself, this beverage thus quaffed became a prolific essence, the eternal organ of universal perception, INDRA’s organs of sense, the milk of immortality, and honey to the manes of ancestors : May this oblation to the planet Venus be efficacious.”

7. “MAY divine waters be auspicious to us for accumulation, for gain, and for refreshing draughts ; may they listen to us, that we may be associated with good auspices : May this oblation to the planet Saturn be efficacious.”

8. “O DU’RVA*, which dost germinate at every knot, at every joint, multiply us through a hundred, through a thousand descents : May this oblation to the planet of the ascending node be efficacious.”

9. “BE thou produced by dwellers in this world to give knowledge to ignorant mortals, and wealth to the indigent, or beauty to the ugly : May this oblation to the planet of the descending node be efficacious.”

I NOW proceed to the promised description of funeral rites, abridging the detail of ceremonies as delivered in rituals, omitting local variations noticed by authors who have treated of this subject, and commonly neglecting the superstitious reasons given by them for the very numerous ceremonies which they direct to be performed in honour of persons recently deceased, or of ancestors long since defunct.

A DYING man, when no hopes of his surviving remain, should be laid upon a bed of *cus’a* grass, either in the house or out of it, if he be a *S’údra*, but in the open air if he belong to another tribe. When he is at the point of death, donations of cattle, land,

* *Agrostis linearis*. KOENIG.

land, gold, silver, or other things, according to his ability, should be made by him; or if he be too weak, by another person in his name. His head should be sprinkled with water drawn from the Ganges, and smeared with clay brought from the same river. A *Sálagráma** stone ought to be placed near the dying man, holy strains from the *Véda* or from sacred poems should be repeated aloud in his ears, and leaves of holy basil must be scattered over his head.

WHEN he expires, the corpse must be washed, perfumed, and decked with wreaths of flowers; a bit of tutanag, another of gold, a gem of any sort, and a piece of coral, should be put into the mouth of the corpse, and bits of gold in both nostrils, both eyes, and both ears. A cloth perfumed with fragrant oil must be thrown over the corpse, which the nearest relations of the deceased must then carry with modest deportment to some holy spot in the forest, or near water. The corpse must be preceded by fire, and by food carried in an unbaked earthen vessel; and rituals direct that it shall be accompanied by music of all sorts, drums, cymbals, and wind and stringed instruments. This practice seems to be now disused in most provinces of *Hindustán*; but the necessity of throwing a cloth over the corpse, however poor the

* The *Sálagrámas* are black stones, found in a part of the *Gándaki* river, within the limits of *Népál*. They are mostly round, and are commonly perforated in one or more places by worms, or, as the *Hindus* believe, by *VISHN'U* in the shape of a reptile. According to the number of perforations, and of spiral curves in each, the stone is supposed to contain *VISHN'U* in various characters. For example, such a stone perforated in one place only, with four spiral curves in the perforation, and with marks resembling a cow's foot, and a long wreath of flowers, contains *LACSHMI' NA'RA'YAN'A*. In like manner stones are found in the *Nermadá*, near *O'ncár mándáttá*, which are considered as types of *SI'VA*, and are called *Bán-ling*. The *Sálagráma* is found, upon trial, not to be calcareous: it strikes fire with steel, and scarcely at all effervesces with acids.

the relations of the deceased may be, is enforced by the strictest injunctions : it is generally the perquisite of the priest who officiates at the funeral *.

THE corpse is carried out by the southern gate of the town, if the deceased were a *Súdra*; by the western, if he were a *Bráhmaṇa*; by the northern, if he belonged to the military class; and by the eastern portal, if he sprung from the mercantile tribe. Should the road pass through any inhabited place, a circuit must be made to avoid it; and when the procession has reached its destination, after once halting by the way, the corpse must be gently laid with the head towards the south on a bed of *cus'a*, the tips whereof are pointed southward. The sons or other relations of the deceased having bathed in their clothes, must next prepare the funeral pile with a sufficient quantity of fuel, on a clean spot of ground, after marking lines thereon to consecrate it in a mode similar to that which is practised in preparing a fire for sacrifices and oblations. They must afterwards wash the corpse, meditating on *Gayá* and other sacred places, holy mountains, the field of the CURUS, the rivers *Gangá*, *Yamuná*, *Cauſicí*, *Chandrabhágá*, *Bhadráocús'a*, *Ganíd'ací*, *Sárayú*, and *Nermadá*; *Vainava*, *Varáha*, and *Pin'dáraca*, and all other holy places on the face of the earth, as well as the four oceans themselves.

SOME of these ceremonies are only observed at the obsequies of a priest who maintained a consecrated fire; his funeral pile must be lighted from that fire: but at the obsequies of other persons, the carrying of food to be left by the way, and the consecration of the spot whereon the funeral pile is raised, must be omitted, and any unpolluted fire may be used:

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* In most parts of India the priests who officiate at funerals are held in disesteem; they are distinguished by various appellations, as *Mahábráhmen*, &c. See Digest of *Hindu Law*, vol. II. p. 175.

It is only necessary to avoid taking it from another funeral pile, or from the abode of an outcast, of a man belonging to the tribe of executioners, of a woman who has lately born a child, or of any person who is unclean.

AFTER washing the corpse, clothing it in clean apparel, and rubbing it with perfumes, such as sandal wood, saffron or alloe wood, the relations of the deceased place the corpse supine with its head towards the north, (or resupine, if it be the body of a woman,) on the funeral pile, which is previously decorated with strung and unstrung flowers. A cloth must be thrown over it, and a relation of the deceased taking up a lighted brand, must invoke the holy places above-mentioned, and say, "May the Gods with flaming mouths burn this corpse!" he then walks thrice round the pile with his right hand towards it, and shifts the sacrificial cord to his right shoulder. Then looking towards the south, and dropping his left knee to the ground, he applies the fire to the pile near the head of the corpse, saying, "*Namó! namah!*" while the attending priests recite the following prayer: "Fire! thou wert lighted by him—may he therefore be reproduced from thee that he may attain the region of celestial bliss. May this offering be auspicious." This, it may be remarked, supposes the funeral pile to be lighted from the sacrificial fire kept up by the deceased; the same prayer is however used at the funeral of a man who had no consecrated hearth.

THE fire must be so managed that some bones may remain for the subsequent ceremony of gathering the ashes. While the pile is burning, the relations of the deceased take up seven pieces of wood a span long, and cut them severally with an axe over the fire-brands (after walking each time round the funeral pile), and then throw the pieces over their shoulders upon the fire, saying, "Salutation to thee who dost consume flesh."

THE body of a young child under two years old must not be burnt, but buried. It is decked with wreaths of fragrant flowers, and carried out by the relations, who bury it in a clean spot, saying, "*Namô / namah !*" while a priest chants the song of YAMA. "The offspring of the sun, day after day fetching cows, horses, human beings and cattle, is no more satiated therewith than a drunkard with wine."

When funeral rites are performed for a person who died in a foreign country, or whose bones cannot be found, a figure is made with three hundred and sixty leaves of the Butea, or as many woollen threads distributed so as to represent the several parts of the human body according to a fancied analogy of numbers; round the whole must be tied a thong of leather from the hide of a black antelope, and over that a woollen thread; it is then smeared with barley meal mixed with water, and must be burnt as an emblem of the corpse.

AFTER the body of the deceased has been burnt in the mode above-mentioned, all who have touched or followed the corpse must walk round the pile, keeping their left hands towards it, and taking care not to look at the fire. They then walk in procession according to seniority, to a river or other running water, and after washing and again putting on their apparel, they advance into the stream. They then ask the deceased's brother in law, or some other person able to give the proper answer, "Shall we present water?" If the deceased were an hundred years old, the answer must be simply, "do so:" but if he were not so aged, the reply is, "do so, but do not repeat the oblation." Upon this they all shift the sacerdotal string to the right shoulder, and looking towards the south, and being clad in a single garment without a mantle, they stir the water with the ring finger of the left hand, saying, "waters, purify us." With the same finger of the right hand they

throw up some water towards the south, and after plunging once under the surface of the river, they rub themselves with their hands. An oblation of water must be next presented from the joined palms of the hands, naming the deceased and the family from which he sprung, and saying, "may this oblation reach thee." If it be intended to show particular honour to the deceased, three offerings of water may be thus made.

AFTER finishing the usual libations of water to satisfy the manes of the deceased, they quit the river and shift their wet clothes for other apparel; they then sip water without swallowing it, and sitting down on the soft turf, alleviate their sorrow by the recital of the following or other suitable moral sentences, refraining at the same time from tears and lamentation.

1. "FOOLISH is he who seeks permanence in the human state; unsolid like the stem of the plantain tree, transient like the foam of the sea."

2. "WHEN a body, formed of five elements to receive the reward of deeds done in its own former person, reverts to its five original principles, what room is there for regret?"

3. "The earth is perishable, the ocean, the Gods themselves pass away: how should not that bubble, mortal man, meet destruction?"

4. "ALL that is low must finally perish; all that is elevated must ultimately fall; all compound bodies must end in dissolution, and life is concluded with death."

5. UNWILLINGLY do the manes of the deceased taste the tears and rheum shed by their kinsmen; then do not wail, but diligently perform the obsequies of the dead*."

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* The recital of these verses is specially directed by Ya'jñik WALCYA. b. S. v. 7. &c.

At night if the corpse were burnt by day, or in the day time if the ceremony were not completed until night; or in case of exigency, whenever the priest approves, the nearest relation of the deceased takes up water in a new earthen jar, and returns to the town preceded by a person bearing a staff*, and attended by the rest walking in procession, and led by the youngest. Going to the door of his own house, or to a place of worship, or to some spot near water, he prepares the ground for the oblation of a funeral cake, by raising a small altar of earth, and marking lines on it as is practised for other oblations. Then taking a brush of *cusá* grass in his right hand, he washes therewith the ground, over which *cusá* grass is spread, saying, "such a one (naming the deceased, and the family from which he sprung)! may this oblation be acceptable to thee." Next, making a ball of three handfulls of boiled rice mixed with *tila*†, fruits of various sorts, honey, milk, butter, and similar things, such as sugar, roots, pot-herbs, &c. (or if that be impracticable with *tila* at least) he presents it on the spot he had purified, naming the deceased, and saying, "may this first funeral cake, which shall restore thy head, be acceptable to thee." Again purifying the spot in the same manner as before, and with the same words addressed to the deceased, he silently puts fragrant flowers, resin, a lighted lamp, betel leaves, and similar things, on the funeral cake, and then presents a woollen yarn, naming the deceased, and saying, "may this apparel, made of woollen yarn, be acceptable to thee." He next offers an earthen vessel full of *tila* and water near the funeral cake, and says, "may this vessel of *tila* and water be acceptable to thee."

It is customary to set apart, on a leaf, some food for the crows, after which the cake and other things

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* The purpose of his carrying a staff is to scare evil spirits and ghosts.

† *Sesamum indicum* LINN.

which have been offered must be thrown into the water. This part of the ceremony is then concluded by wiping the ground, and offering thereon a lamp, water, and wreaths of flowers, naming the deceased with each oblation, and saying, "may this be acceptable to thee."

IN the evening of the same day, water and milk must be suspended in earthen vessels before the door in honour of the deceased, with this address to him, "Such a one deceased! bathe here—drink this:" and the same ceremony may be repeated every evening until the period of mourning expire.

When the persons who attended the funeral return home and approach the house door, (before the ceremony of suspending water and milk, but after the other rites above-mentioned,) they each bite three leaves of *Nimba* * between their teeth, sip water, and touch a branch of *Sami* † with their right hands, while the priest says, "may the *Sami* tree atone for sins." Each mourner then touches fire, while the priest says, "may fire grant us happiness; and standing between a bull and a goat, touches both those animals while the priest recites an appropriate prayer ‡. Then, after touching the tip of a blade of *Duroá* grass, a piece of coral, some clarified butter, water, cow dung, and white mustard seed, or rubbing his head and limbs with the butter and mustard seed, each man stands on a stone while the priest says for him, "may I be firm like this stone," and thus he enters his house.

DURING ten days, funeral cakes, together with libations of water and *tila*, must be offered as on the first day, augmenting, however, the number each time, so that ten cakes, and as many libations of
water

* *Melia Azadirachta* LINN.

† *Adenanthera aculeata*, or *Prosopis aculeata*.

‡ I must for the present omit it, because it is not exhibited at full length in any work I have yet consulted.

water and *tila* be offered on the tenth day, and with this further difference, that the address varies each time. On the second day the prayer is, "may this second cake, which shall restore thy ears, eyes, and nose, be acceptable." On the third day, "this third cake, which shall restore thy throat, arms, and breast." On the fourth, "thy navel and organs of excretion;" on the fifth, "thy knees, legs, and feet;" on the sixth, "all thy vitals;" on the seventh, "all thy veins;" on the eighth, "thy teeth, nails and hair;" on the ninth, "thy manly strength;" on the tenth, "may this tenth cake, which shall fully satisfy the hunger and thirst of thy renewed body, be acceptable to thee." During this period, a pebble wrapt up in a fragment of the deceased's shroud, is worn by the heir suspended on his neck. To that pebble as a type of the deceased, the funeral cakes are offered. The same vessel in which the first oblation was made must be used throughout the period of mourning; this vessel therefore is also carried by the heir in the fragment of the shroud. He uses that slip of cloth taken from the winding sheet, as a sacrificial cord, and makes the oblations every day on the same spot; should either the vessel or the pebble be lost by any accident, the offerings must be recommenced.

If the mourning last three days only, ten funeral cakes must be nevertheless offered, three on the first and third days, and four on the second; if it lasts no more than one day, the ten oblations must be made at once.

ALL the kinsmen of the deceased within the sixth degree of consanguinity, should fast for three days and nights, or one at the least; however, if that be impracticable, they may eat a single meal at night, purchasing the food ready prepared, but on no account preparing victuals at home. So long as the mourning lasts, the nearest relations of the deceased must not exceed one daily meal, nor eat flesh-

meat, nor any food seasoned with factitious salt; they must use a plate made of the leaves of any tree but the plantain, or else take their food from the hands of some other persons; they must not handle a knife, or any other implement made of iron, nor sleep upon a bed-stead, nor adorn their persons, but remain squalid, and refrain from perfumes and other gratifications; they must likewise omit the daily ceremonies of ablution and ~~divine~~ worship. On the third and fifth days, as also on ~~the~~ seventh and ninth, the kinsmen assemble, bathe in the open air, offer *tila* and water to the deceased, and take a repast together; they place lamps at cross roads, and in their own houses, and likewise on the way to the cemetery, and they observe vigils in honour of the deceased.

On the last day of mourning, or earlier in those countries where the obsequies are expedited on the second or third day, the nearest kinsman of the deceased gathers his ashes after offering a *śrāddha* singly for him.

In the first place the kinsman smears with cow dung the spot where the oblation is to be presented; and after washing his hands and feet, sipping water, and taking up *cuśa* grass in his hand, he sits down on a cushion pointed towards the south, and placed upon a blade of *cuśa* grass, the tip of which must also point towards the south. He then places near him a bundle of *cuśa* grass, consecrated by pronouncing the word *namah*! or else prepares a fire for oblations; then, lighting a lamp with clarified butter or with oil of sesamum, and arranging the food and other things intended to be offered, he must sprinkle himself with water, meditating on VISHN'U surnamed the lotos-eyed, or revolving in his mind this verse, "Whether pure or defiled, or wherever he may have gone, he, who remembers the being, whose eyes are like the lotos, shall be pure externally and internally." Shifting the sacerdotal cord on
his

his right shoulder, he takes up a brush of *cus'a* grass, and presents water together with *tila* and with blossoms, naming the deceased and the family from which he sprung, and saying, "may this water for ablutions be acceptable to thee." Then saying, "may this be right," he pronounces a vow or solemn declaration. "This day I will offer on a bundle of *cus'a* grass (or, if such be the custom, "on fire") a *śrādd'ha* for a single person, with unboiled food, together with clarified butter and with water, preparatory to the gathering of the bones of such a one deceased." The priests answering "do so," he says "namó! namah!" while the priests meditate the *gáyatrí*, and thrice repeat, "Salutation to the Gods, to the manes of ancestors, and to mighty saints; to *Śwáhá* [goddess of fire]; to *Śwad'há* [the food of the manes]: salutation unto them for ever and ever."

He then presents a cushion made of *cus'a* grass, naming the deceased, and saying, "may this be acceptable unto thee;" and afterwards distributes meal of sesamum, while the priests recite, "May the demons and fierce giants that sit on this consecrated spot, be dispersed; and the blood-thirsty savages that inhabit the earth, may they go to any other place to which their inclinations may lead them."

PLACING an oval vessel with its narrowest end towards the south, he takes up two blades of grass; and breaking off a span's length, throws them into the vessel; and, after sprinkling them with water, makes a libation, while the priests say, "May divine waters be auspicious to us for accumulation, for grain, and for refreshing draughts; may they listen to us, and grant that we may be associated with good auspices." He then throws in *tila*, while the priests say, "Thou art *tila*, sacred to SÓMA; framed by the divinity, thou dost produce celestial bliss [for him that makes oblations]; mixed with
with

meat, nor any food seasoned with factitious salt; they must use a plate made of the leaves of any tree but the plantain, or else take their food from the hands of some other persons; they must not handle a knife, or any other implement made of iron, nor sleep upon a bed-stead, nor adorn their persons, but remain squalid, and refrain from perfumes and other gratifications; they must likewise omit the daily ceremonies of ablution and ~~divine~~ worship. On the third and fifth days, as also on the seventh and ninth, the kinsmen assemble, bathe in the open air, offer *tila* and water to the deceased, and take a repast together; they place lamps at cross roads, and in their own houses, and likewise on the way to the cemetery, and they observe vigils in honour of the deceased.

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his right shoulder, he takes up a brush of *cus'a* grass, and presents water together with *tila* and with blossoms, naming the deceased and the family from which he sprung, and saying, "may this water for ablutions be acceptable to thee." Then saying, "may this be right," he pronounces a vow or solemn declaration. "This day I will offer on a bundle of *cus'a* grass (or, if such be the custom, "on fire") a *śrādd'ha* for a single person, with unboiled food, together with clarified butter and with water, preparatory to the gathering of the bones of such a one deceased." The priests answering "do so," he says "*namó! namah!*" while the priests meditate the *gáyatrí*, and thrice repeat, "Salutation to the Gods, to the manes of ancestors, and to mighty saints; to *Swáhá* [goddess of fire]; to *Spad'há* [the food of the manes]: salutation unto them for ever and ever."

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and the holy sages, immolated as a victim on sacred grass; and thus performed a solemn act of religion.

10. Into how many portions did they divide this being, whom they immolated? what did his mouth become? what are his arms, his thighs, and his feet now called? 11. His mouth became a priest; his arm was made a soldier; his thigh was transformed into a husbandman; from his feet sprung the servile man. 12. The moon was produced from his mind; the sun sprung from his eye; air and breath proceeded from his ear; and fire rose from his mouth. 13. The subtile element was produced from his navel; the sky from his head; the earth from his feet; and space from his ear: thus did he frame worlds. 14. In that solemn sacrifice, which the Gods performed with him as a victim, spring was the butter, summer the fuel, and sultry weather the oblation. 15. Seven were the moats [surrounding the altar]; thrice seven were the logs of holy fuel; at that sacrifice, which the Gods performed, immolating this being as the victim. 16. By that sacrifice the Gods worshipped this victim: such were primeval duties; and thus did they attain heaven, where former Gods and mighty demigods abide*.

NEXT spreading *cuśa* grass near the fragments of the repast, and taking some unboiled rice with *tila* and clarified butter, he must distribute it on the grass, while the priests recite for him these prayers: "May those in my family, who have been burnt by fire, or who are alive and yet unburnt, be satisfied with this food presented on the ground; and proceed contented towards the supreme path [of eternal bliss]. May those, who have no father nor mother, nor kinsman, nor food, nor supply of nourishment, be

* I think it unnecessary to quote from the commentary the explanation of this curious passage of the *Vēda* as it is there given, because it does not really elucidate the sense; the allegory is, for the most part, sufficiently obvious. Other prayers may be also recited on the same occasion: it would be tedious to insert them all in this place.

be contented with this food offered on the ground, and attain, like it, a happy abode." He then gives the *Brámanas* water to rinse their mouths; and the priests once more recite the *Gáyatrí* and the prayer, "may the winds blow sweet," &c.

THEN taking in his left hand another vessel containing *tila*, blossoms and water, and in his right a brush made of *cusá* grass, he sprinkles water over the grass spread on the consecrated spot, naming the deceased, and saying, "may this ablution be acceptable to thee:" he afterwards takes a cake or ball of food mixed with clarified butter, and presents it, saying, "may this cake be acceptable to thee;" and deals out the food with this prayer, "Ancestors, rejoice; take your respective shares, and be strong as bulls." Then walking round by the left, to the northern side of the consecrated spot, and meditating, "Ancestors be glad; take your respective shares, and be strong as bulls:" he returns by the same road, and again sprinkles water on the ground to wash the oblation, saying, "may this ablution be acceptable to thee."

NEXT, touching his hip with his elbow, or else his right side, and having sipped water, he must make six libations of water with the hollow palms of his hand, saying, "Salutation unto thee, O deceased, and unto the saddening [hot] season; salutation unto thee, O deceased, and unto the month of *tapas* [or dewy season]; salutation unto thee, O deceased, and unto that [season] which abounds with water; salutation unto thee, O deceased, and to the nectar [of blossoms]; salutation unto thee, O deceased, and to the terrible and angry [season]; salutation unto thee, O deceased, and to female fire [or the sultry season]*."

HE next offers a thread on the funeral cake, holding the wet brush in his hand, naming the deceased,
and

* See note B.

ther of *Palāśa** instead of tongs, first draws out from the ashes the bones of the head, and afterwards the other bones successively; sprinkles them with perfumed liquids and with clarified butter made of cow's milk; and puts them into a casket made of the leaves of the *Palāśa*: this he places in a new earthen vessel, covers it with a lid, and ties it up with thread. Choosing some clean spot where encroachments of the river are not to be apprehended, he digs a very deep hole, and spreads *cuśa* grass at the bottom of it, and over the grass a piece of yellow cloth; he places thereon the earthen vessel containing the bones of the deceased, covers it with a lump of mud, together with thorns, moss and mud; and plants a tree in the excavation, or raises a mound of masonry, or makes a pond, or erects a standard. He, and the rest of the kinsmen, then bathe in their clothes. At a subsequent time, the son or other near relation fills up the excavation, and levels the ground; he throws the ashes of the funeral pile into the water; cleans the spot with cow-dung and water; presents oblation to ŚIVA and other deities in the manner before mentioned, dismisses those deities, and casts the oblation into water. To cover the spot where the funeral pile stood, a tree should be planted, or a mound of masonry be raised, or a pond dug, or a standard be erected †. Again at a sub-

* *Butea frondosa* LINN. and *superba* ROXB.

† This does not appear to be very universally practised; but a monument is always erected on the spot where a woman has burnt herself with her husband's corpse, or where any person has died a legal voluntary death. A mausoleum is however often built in honour of a HINDU prince or noble; it is called in the *Hindustānī* language, a *Ch'hetri*; and the practice of consecrating a temple in honour of the deceased is still more common, especially in the central parts of India. I shall take some future occasion to resume a subject alluded to in this note; but in the mean time it may be fit to remark, that legal suicide was formerly common among the *Hindus*, and is not now very rare; although instances of men's burning themselves have not perhaps lately occurred so often as their drowning themselves in holy rivers. The blind father and mother of the young anchorite, whom DAS'ARAT'NA

subsequent time, the son, or other near relation, carries the bones which were so buried to the river Ganges: he bathes there, rubs the vessel with the five productions of kine, puts gold, honey, clarified butter and *tila* on the vessel, and looking towards the south, and advancing into the river, with these words, "be there salutation unto justice," throws the vessel into the waters of the Ganges, saying, "may he (the deceased) be pleased with me."—Again bathing, he stands upright, and contemplates the sun; then sipping water, and taking up *cus'a* grass, *tila* and water, pays the priests their fees.

So long as mourning lasts after gathering the ashes, the near relations of the deceased continue to offer water with the same formalities and prayers as above-mentioned, and to refrain from factitious salt, butter, &c. On the last day of mourning, the nearest relation puts on neat apparel, and causes his house and furniture to be cleaned; he then goes out of the town, and after offering the tenth funeral cake in the manner before described, he makes ten libations of water from the palms of his hands; causes the hair of his head and body to be shaved, and his nails to be cut, and gives the barbers the clothes which

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slew by mistake, burnt themselves with the corpse of their son. The scholiast of the *Raghuvars'a*, in which poem, as well as in the *RAMAYAN'A*, this story is beautifully told, quotes a text of law to prove that suicide is in such instances legal. I cannot refrain from also mentioning, that instances are not unfrequent where persons afflicted with distressing and incurable diseases, have caused themselves to be buried alive. I hope soon to be the channel of communicating to the Asiatic Society a very remarkable case of a leper rescued from a premature grave, and radically cured of his distemper. I must also take this occasion of announcing a very singular practice which prevails among the lowest tribes of the inhabitants of *Berar* and *Gondwana*. Suicide is not unfrequently vowed by such persons in return for boons solicited from idols, and to fulfil his vow, the successful votary throws himself from a precipice named *Calabbairava*, situated in the mountains between the *Tápti* and *Nermadú* rivers. The annual fair held at that spot at the beginning of spring, usually witnesses eight or ten victims of this superstition.

were worn at the funeral of the deceased, and adds some other remuneration. He then anoints his head and limbs down to his feet, with oil of sesamum, rubs all his limbs with meal of sesamum, and his head with the ground pods of white mustard; he bathes, sips water, touches and blesses various auspicious things, such as stones, clarified butter, leaves of *Nimba*, white mustard, *Durrá* grass, coral, a cow, gold, curds, honey, a mirror, and a conch; and also touches a bambu staff. He now returns purified to his home, and thus completes the first obsequies of the deceased.

THE second series of obsequies, commencing on the day after the period of mourning has elapsed, is opened by a lustration termed the consolatory ceremony, the description of which must be here abridged for want of a commentary to explain all the prayers that are recited at this religious rite; for the same reason an account of the ceremonies attending the consecration and dismissal of a bull in honour of the deceased, must for the present be postponed.

THE lustration consists in the consecration of four vessels of water, and sprinkling therewith the house; the furniture, and the persons belonging to the family. After lighting a fire, and blessing the attendant *Bráhmaṇas*, the priest fills four vessels with water, and putting his hand into the first, meditates the *gáyatri* before and after reciting the following prayers:

1. "MAY generous waters be auspicious to us, for grain and for refreshing draughts; may they approach towards us, that we may be associated with good auspices." 2. "Earth, afford us ease, be free from thorns, be habitable; widely extended as thou art, procure us happiness." 3. "O waters! since ye afford delight, grant us food, and the rapturous sight [of the Supreme Being]." 4. "Like tender

mothers, make us here partakers of your most auspicious essence *."

PUTTING his hand into the second vessel, the priest meditates the *gáyatri*, and the four prayers above quoted, adding some others, and concluding this second consecration of water by once more meditating the *gáyatri*.

THEN taking a lump of sugar and a copper vessel in his left hand, biting the sugar and spitting it out again, the priest sips water; afterwards putting his hand into the third vessel, he meditates the *gáyatri* and the four prayers above cited, interposing this, "May INDRA and VARUN'A [the regents of the sky and of the ocean] accept our oblations, and grant us happiness; may INDRA and the cherishing sun grant us happiness in the distribution of food; may INDRA and the moon grant us the happiness of attaining the road to celestial bliss, and the association of good auspices." The priest adds, 1. "May we sufficiently attain your essence with which you satisfy the universe—Waters! grant it to us." 2. "May heaven be our comfort; may the sky, earth, water, salutary herbs, trees, the assembled gods, the creator, and the universe, be our comfort; may that comfort obviate difficulties, and become to us the means of attaining our wishes." 3. "Make me perfect in [my own person, and in the persons of all who are] connected with me; may all beings view me with the [benevolent] eye of the sun: I view all beings with the solar eye; let us view each other with the [benevolent] solar eye." 4. "Make
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* The translation of several among these prayers is a little varied from a former version of them, to conform with the different explanations given in different places by the commentators I have consulted. For the same purpose I shall here subjoin another version of the *gáyatri*. "Earth! Sky! Heaven! Let us meditate on [these and on] the most excellent light and power of that generous, sportive, and resplendent Sun: [praying that] it may guide our intellects." A paraphrase of this very important text may be found in the preface to the translation of MENU, p. xviii.

me perfect in my own person, and in the persons of all who are allied to me ; may I live long in thy sight ; long may I live in thy sight." 5. "Salutation to thee [O fire !] who dost seize oblations, to thee who dost shine, to thee who dost scintillate ; may thy flames burn our foes ; mayst thou the purifier be auspicious unto us." 6. "Salutation to thee, manifested in lightning ; salutation to thee, manifested in thunder ; salutation to thee, O God ! for thou dost endeavour to bestow celestial bliss." 7. "Since thou dost seek to awe the wicked [only], make us fearless ; grant happiness to our progeny, and courage to our cattle." 8. "May water and herbs be friendly to us ; may they be inimical to him who hates us, and whom we hate." 9. "May we see an hundred years that pure eye which rises from the east, and benefits the Gods ; may we live a hundred years ; may we speak a hundred years ; may we be free from distress a hundred years, and again a hundred years." After another prayer, the priest again meditates the *gâyatri*, and thus concludes the third consecration. He then hallows the fourth vessel of water in a similar manner, with a repetition of the prayer "May the earth be our comfort, &c." and with some others, which must be here omitted for the reason before-mentioned*.

THOUGH it be not positively enjoined, it is customary, immediately after this lustration, to give away a vessel of *tila*, and also a cow, for the sake of securing the passage of the deceased over the *Vaitaran'i*, or river of hell ; whence the cow so given is called *Vaitaran'i-d'hénu*. Afterwards a bed with its furniture

* At most religious ceremonies, and especially at the deprecatory rites, the prayers directed in the several *Védas*, and in the various *Sac'hás* of them, differ much. Those which are translated in the present and former essays, are mostly taken from the *Tajuredd*, and may be used by any *Bráhmén*, instead of the prayers directed in the particular *Veda*, by which he should regularly be guided. The subject of lustrations is curious ; they are performed with various ceremonies, to avert calamities, or to obviate disappointments. Should other engagements permit it, this topic will be treated in a future essay.

furniture is brought, and the giver sits down near the *Bráhmaṇ'a*, who has been invited to receive the present; after saying, "salutation to this bed with its furniture, salutation to this priest to whom it is given," he pays due honour to the *Bráhmaṇ'a* in the usual form of hospitality. He then pours water into his hand, saying, "I give thee this bed with its furniture;" the priest replies, "give it." Upon this he sprinkles it with water, and taking up *cus'a* grass, *tilda* and water, delivers them to the priest, pouring the water into his hand with a formal declaration of the gift and its purpose, and again delivers a bit of gold with *cus'a* grass, &c. making a similar formal declaration. 1. "This day, I, being desirous of obtaining celestial bliss for such a one defunct, do give unto thee, such a one, a *Bráhmaṇ'a*, descended from such a family, to whom due honour has been shown, this bed and furniture, which has been duly honoured, and which is sacred to VISHN'U." 2. "This day I give unto thee (so and so) this gold, sacred to fire, as a sacerdotal fee, for the sake of confirming the donation I have made of this bed and furniture." The *Bráhmaṇ'a* both times replies, "be it well." Then lying upon the bed, and touching it with the upper part of his middle finger, he meditates the *gáyatrí* with suitable prayers, adding, "This bed is sacred to VISHN'U."

WITH the same ceremonies, and with similar formal declarations, he next gives away to a *Bráhmaṇ'a* (or more commonly, in both instances, to a married couple,) a golden image of the deceased, or else a golden idol, or both, with clothes and various sorts of fruit. Afterwards he distributes other presents among *Bráhmaṇ'as*, for the greater honour of the deceased; making donations of land, and giving a chair or stool, clothes, water, food, betel leaf, a lamp, gold, silver, a parasol, an orchard of fruit trees, wreathes of flowers, a pair of shoes, another bed, another milch cow, and any other presents he

‘ may choose to give, such as an elephant, a horse, a carriage, a slave, a house, and so forth.’

It is hardly necessary to remark on this quotation, that none but very rich or superstitious persons make these ample donations, which are not positively enjoined, though strenuously recommended.

THERE is some difference in the religious formalities, with which various things are given, or accepted, on this, or on any other occasion. In the formal declaration too, a different tutelary Deity is named, and a different object is specified; but, in other respects, the form of the declaration is similar, whatever be the occasion on which the gift is made.

IN making a donation of land, the donor sits down with his face to the east, opposite to the person to whom he gives it. The donor says, “salutation to this land with its produce: salutation to this priest, to whom I give it.” Then, after showing him honour in the usual form, he pours water into his hand, saying, “I give thee this land with its produce.” The other replies, “give it.” Upon which he sprinkles the place with water; and taking up water, with holy basil, and *cus’a* grass, he pours the water into the other’s hand, making a formal declaration of the donation and the motive of it. He then delivers a bit of gold, with *cus’a* grass, &c. declaring his purpose in giving it, as a sacerdotal fee, to consolidate the donation of land. The other accepts the gift by a verbal acknowledgment, and meditates the *gâyatri* with some other prayers.

A CHAIR or stool is accepted by sitting down on it; clothes, by putting them on; a parasol, by holding the handle of it; shoes, or sandals, by standing on them; and a couch, by lying on it. In these and other donations, there is no variation in the prayers; but the gift of a milch cow is made with other texts, which the donor recites standing near the cow, and making a libation of water from the palms of his hands.

hands after the recital of each prayer. The gift accepted by holding the animal's tail.

1. "MAY the Goddess, who is the LACHSMÍ of all beings, and resides among the Gods, assume the shape of a milch cow, and procure me comfort."
2. "May the Goddess who is RUDRÁNÍ in a corporeal form, and who is the beloved of SIVA, assume the shape of a milch cow, and procure me comfort."
3. "May she, who is LACHSMÍ reposing on the bosom of VISHNÚ; she, who is the LACHSMÍ of the regent of riches; she, who is the LACHSMÍ of kings, be a boon-granting cow to me."
4. "May she, who is the LACHSMÍ of BRAHMÁ; she, who is SWÁHÁ, the wife of fire; she, who is the exerted power of the sun, moon, and stars, assume the shape of a milch cow for [my] prosperity."
5. "Since thou art *Swad'há* [the food] of them, who are chief among the manes of ancestors, and SWÁHÁ [the consuming power] of them who eat solemn sacrifices: therefore, being the cow that expiates every sin, procure me comfort."
6. "I invoke the Goddess, who is endowed with the attributes of all the Gods; who confers all happiness; who bestows [*abodes in*] all the worlds for the sake of all people."
7. "I pray to that auspicious Goddess for immortality and happiness."

The remaining ceremonies, omitting for the present the consecration of a bull, consist chiefly in the obsequies called *s'rúdd'has*. The first set of funeral ceremonies is adapted to effect, by means of oblations, the re embodying of the soul of the deceased, after burning his corpse. The apparent scope of the second set is to raise his shade, from this world, where it would else, according to the notions of *Hindus*, continue to roam among demons and spirits,) up to heaven, and there deify him, as it is, among the manes of departed ancestors. For end, a *s'rúdd'ha* should regularly be offered to deceased on the day after mourning expires;

twelve other *s'radd'has* singly to the deceased in twelve successive months: similar obsequies at the end of the third fortnight, and also in the sixth month, and in the twelfth; and the oblation called *Sapin'dana*, on the first anniversary of his decease. In most provinces the periods for these sixteen ceremonies, and for the concluding obsequies entitled *Sapin'dana*, are anticipated, and the whole is completed on the second or third day. After which they are again performed at the proper times, but in honour of the whole set of progenitors instead of the deceased singly. The obsequies intended to raise the shade of the deceased to heaven are thus completed. Afterwards a *s'radd'ha* is annually offered to him on the anniversary of his decease.

THE form of the various *s'radd'has* (for they are numerous *) is so nearly the same, that it will be only necessary to describe that which is performed in honour of progenitors in general; and at which three funeral cakes are offered to three paternal ancestors; as many to three maternal fore-fathers, and two to the *Viśvédévas* or assembled Gods. A *s'radd'ha* in honour of one person singly has been already noticed.

After

* In a work entitled *Nirneya Sind'ha*, I find authority for classing obsequies under twelve heads. 1. Daily obsequies, either with food, or with water only, in honour of ancestors in general, but excluding the *Viśvédéva*. 2. Obsequies for a special cause; that is, in honour of a kinsman recently defunct. 3. Voluntary obsequies, performed by way of supererogation, for the greater benefit of the deceased. 4. Obsequies for increase of prosperity, performed upon any accession of wealth or prosperity, and upon other joyful occasions. 5. A *s'radd'ha* intended to introduce the shade of a deceased kinsman to the rest of the manes. 6. Obsequies performed on appointed days, such as that of new moon, full moon, sun's passage into a new sign, &c. 7. A *s'radd'ha*, to sanctify the food at an entertainment given to a company of reverend persons. 8. One performed when stated numbers of priests are fed at the cost of a person who needs purification from some defilement. 9. A *s'radd'ha* preparatory to the celebration of any solemn rite, and considered as a part of such rite. 10. *S'radd'has* in honour of deities. 11. Oblations of clarified butter, previous to the undertaking of a distant journey. 12. A *s'radd'ha* to sanctify a meal of flesh meat, prepared simply for the sake of nourishment.

After smearing the place with cow-dung, a square altar of sand is raised on it, one or two fingers high, and a span nearly in each direction. (It must be triangular at the obsequies of one recently defunct.) The person who performs the ceremony, first washes his hands and feet, sips water, and puts a ring of *cus'a* grass on the ring finger of each hand. He sits down on a cushion of *cus'a* grass, or of other materials, placed upon a blade of such grass. He lights a lamp, reciting a prayer, which will be cited on another occasion. He places the implements and materials in regular order, and sprinkles water on himself and all around, meditating on VISHN'U surnamed the lotos-eyed, and revolving in his mind the couplet "whether pure or defiled, &c." He now shifts the sacerdotal thread to his right shoulder, and solemnly declares his intention of performing a *śrāddha*, and the motive of it. He thrice meditates the *gāyatrī*, and pronounces the salutation to superior beings, "salutation to the Gods, to the manes of ancestors, &c."

AFTER this preparation, he proceeds to invite and to welcome the assembled Gods and the manes. First he places two little cushions of *cus'a* grass on one side of the altar for the *Viśwédévas*, and six in front of it for the *Pitris*. Each cushion should consist of three blades of grass folded up. After strewing *cus'a* grass on those cushions, he asks, "shall I invoke the assembled Gods?" being told "do so," he thus invokes them: "assembled Gods! hear my invocation; come and sit down on this holy grass." After scattering barley on the same spot, he meditates this prayer, "assembled Gods! listen to my invocation, ye, who reside in the sky; and ye who abide near us, [on earth,] or [far off] in heaven: ye, whose tongues are fire; and ye, who defend the funeral sacrifice, sit on this grass, and be cheerful." He then invites the manes of ancestors with similar invocations; "O fire! zealously

we support thee, zealously we feed thee with fuel; eagerly do thou call our willing ancestors to taste our oblation." "May our progenitors, who eat the moon plant, who are sanctified by holy fires, come by paths which Gods travel*. Satisfied with ancestral food at this solemn sacrifice, may they applaud and guard us." He next welcomes the Gods and manes with oblations of water, &c. in vessels made of leaves†. Two are presented to the *Viśvédévas*, and three to paternal ancestors, and as many to maternal fore-fathers. *Cus'a* grass is put into each vessel, and water sprinkled on it, while the prayer, "May divine waters be auspicious to us, &c." is recited. Barley is thrown into the vessels intended for the Gods, and *tila* into those intended for the manes of ancestors, with these prayers, 1. "Barley! thou art the separator‡, separate [us from] our natural enemies, and from our malicious foes." 2. "Thou art *tila*, sacred to *So'ma*, &c." At a *s'rāddha* for increase of prosperity, which is performed on many occasions as a preparative for a solemn act of religion, barley is thrown into the vessels instead of *tila*, and the last prayer is thus varied: "Thou art barley, sacred to *So'ma*: framed by the divinity, thou dost produce celestial bliss; mixt with water, may thou long satisfy with nourishment my several progenitors, whose mouths are full of blessings." The vessels are successively taken up, repeating each time a prayer before cited: "The waters in heaven, in the atmosphere, and on the earth, have been united with milk, &c." The *cus'a* grass, that lay on the vessels, is put into a *Bráhmaṇa's* hand; and that which was under it, is held by the person

* The *Via Lactea* seems to be meant by the path of the Gods.

† Plantain leaves; or else leaves of the *Butea frondosa*, or of the *Bassia lati-folia*.

‡ *Yava* signifies barley; in this text it also signifies separator, being derived from *yu*, to unmix. Many of the prayers contain similar quibbles.

person who performs the *s'râdd'ha*, in his own hand ; and through it he successively pours the water out of each vessel on the *Brâhman'a's* hand. He then piles up the empty vessels in three sets, and reverses them, saying, while he oversets the first, "Thou art a mansion for ancestors."

At the last obsequies for one recently deceased, and which are named the *Sapin'd'ana*, the following prayer is recited when the vessel, which has been offered to him, is piled up with the rest : "May the mansion of those progenitors, who have reached a common abode, and who have accordant minds, foster him : may the blessed sacrifice, sacred to the Gods, be his." The subjoined prayer likewise is peculiar to the *Sapin'd'ana*. "By [the intercession of] those souls, who are mine by affinity, who are animated [shades], who have reached a common abode, who have accordant minds, may prosperity be mine in this world for a hundred years."

THE person who performs the *s'râdd'ha*, next takes up food smeared with clarified butter, and makes two oblations to fire, reciting these prayers : 1. "May this oblation to fire, which conveys offerings to the manes, be efficacious. 2. "May this oblation to the moon, wherein the progenitors of mankind abide, be efficacious."

BRA'HMAN'AS should be fed with the residue of the oblation ; it is accordingly consecrated for that purpose by the following prayer : "The vessel that holds thee is the earth ; its lid is the sky ; I offer this residue of an oblation, similar to ambrosia, in the undefiled mouth of a priest ; may this oblation be efficacious." The performer of the *s'râdd'ha* then points with his thumb towards the food, saying, "Thrice did VISHN'U step, &c." He adds, "May the demons and giants, that sit on this consecrated spot, be dispersed." He meditates the *gâyatrî* with the names of worlds ; and sweetens the food with honey or sugar, saying, "May winds blow sweet. &c."

&c." He then distributes the food among *Bráhmāna*, and when they have eaten and have acknowledged that they are satisfied, he gives them water to rinse their mouths.

He now proceeds to offer the funeral cakes, consisting of balls or lumps of food mixed with clarified butter. He offers three to the paternal fore-fathers, as many to the maternal ancestors, and two to the *Pitṛedéas*. The prayers ("Ancestors! rejoice; take your respective shares, &c.") and the form of the oblation have been already mentioned. It is only necessary to add in this place, that he wipes his hand with *cusā* grass in honour of remoter ancestors, who thus become partakers of the oblations.

In the next place, he makes six libations of water from the palms of his hands, with the salutation to the seasons: "Salutation, unto you, O' fathers; and unto the saddening season, &c." by this prayer the manes of ancestors are doubly saluted; for the *Veda* declares, "the six seasons are the progenitors of mankind."

A THREAD is placed on each funeral cake, to serve as apparel for the manes; and each time the same words are repeated, "Fathers! this apparel is offered unto you." Flowers, perfumes, and similar things are added at pleasure; but water must be sprinkled on each cake, with the prayer, "Waters, ye are the food of our progenitors, &c."

THE performer of the *śrāddha* then takes up the middle cake and smells to it; or his wife eats it, if they be solicitous for male offspring; in this case the following prayer must be recited: "Grant, O progenitors, the conception of a male child, [long lived and healthy, like] the lotos and garland of twins, that sprung from *Aświnī*"; so that, at this season, there may be a person [to fulfill the wishes of the Gods, of the manes, and of human beings.] He then takes up the cakes successively, smells to them, throws them into a vessel, and gives away the food

food to a mendicant priest, or to a cow ; or else casts it into the waters.

HE then dismisses the manes, saying, “ Fathers, to whom food belongs, guard our food, and the other things offered by us ; venerable and immortal as ye are, and conversant with holy truths ; quaff the sweet essence of it, be cheerful and depart contented, by the paths which Gods travel.” Lastly, he walks round the spot and leaves it, saying, “ May the benefit of this oblation accrue to me repeatedly ; may the Goddess of the earth, and the Goddess of the sky, whose form is the universe, visit me [with present and future happiness]. Father and mother ! revisit me, [when I again celebrate obsequies]. SOMA, king of the manes ! visit me for the sake of [conferring] immortality.”

A S'RA'DD'HA is thus performed, with an oblation of three funeral cakes only, to three male paternal ancestors, on some occasions ; or with as many funeral oblations to three maternal ancestors, on others. Sometimes separate oblations are also presented to the wives of the paternal ancestors ; at other times, similar offerings are likewise made to the wives of three maternal ancestors. Thus, at the monthly *s'radd'has* celebrated on the day of new moon, six funeral cakes are offered to three paternal and as many maternal male ancestors with their wives : on most other occasions separate oblations are presented to the female ancestors. At the obsequies celebrated in the first half of *As'wina*, on the day entitled *Mahálayá*, funeral cakes are separately offered to every deceased friend and near relation : thus, immediately after the oblations to ancestors, a cake is presented to a deceased wife, then to a son or daughter, to a brother or sister, to an uncle or aunt, to a father-in-law, to a preceptor, and lastly to a friend. The same is observed at the obsequies performed on the day of an eclipse, or upon a pilgrimage to any holy spot, and especially to *Gayá*.

FORMAL

FORMAL obsequies are performed no less than ninety-six times in every year; namely, on the day of new moon, and on the dates of the fourteen *Menekantaras*, and of four *Yugádyás*; that is, on the anniversaries of the accession of fourteen *MENUS*, and of the commencement of four *ages*: also throughout the whole first fortnight of *Aświna*, thence called *pitripacsha*, and whenever the sun enters a new sign, and especially when he reaches the equinox, or either solstice; and, in certain circumstances, when the moon arrives at *Vyatipatá*, one of the twenty-seven *yógas*, or astrological divisions of the zodiack. The eighth of *Pausha*, called *Aindrí*, the eighth of *Maghá*, (when flesh-meat should be offered,) and the ninth of the same month, together with additional obsequies on some of these dates and on a few others, complete the number above mentioned: different authorities do not, however, concur exactly in the number or in the particular days when the *s'radd'has* should be solemnized.

BESIDES these formal obsequies, a daily *s'radd'ha* is likewise performed. It consists in dropping food into the hands of a *Brahmán'a* after offering it to six ancestors by name, with the usual preparatory vow and prayers, and with the formality of placing three blades of grass as a seat for each ancestor; but using a single prayer only for the invocation of the manes, and omitting the ceremony of welcoming them with an *arghá*. Libations of water are also made in honour of progenitors, as noticed in the former essay on daily ablutions.

THE obsequies for increase of prosperity, or as the same term (*Vrid'dhi s'radd'ha*) may signify, the obsequies performed on an accession of prosperity*, are celebrated previously to the sacrifice of a victim, and to the solemnization of a marriage, or of any of the

* Sometimes named *Nándi muc'ha*, from a word which occurs in the prayer peculiar to this *s'radd'ha*.

the ceremonies which, according to the notions of the *Hindus*, contribute to the regeneration of a twiceborn man, that is, of a *Bráhmaṇa*, *Cshatriya*, or *Vaiśya*. This *śráddha* is likewise performed at the commencement and close of a solemn fast.

It should be observed respecting the practice of giving food to priests at all these obsequies, that *Bráhmaṇas* generally give it to one or more of their own relations. A stranger, unless indigent, would be very unwilling to accept the food, or to attend at a *śráddha* for the purpose of eating it. The use of flesh-meat is positively enjoined to *Hindus* at certain obsequies, (see MENU c. 3. v. 124,) and recommended at all (MENU c. 3. v. 268, &c.): but the precepts of their law-givers on the subject are by some deemed obsolete in the present age; and are evaded by others, who acknowledge the cogency of these laws: these commonly make a vow to abstain from flesh-meat, and consider that vow as more binding than the precepts here alluded to. Others again not only eat meat at obsequies and solemn sacrifices, but make it their common diet, in direct breach of the institutes of their religion. (See MENU c. 5. v. 31, &c.)

BRÁHMANAS, who maintain a perpetual fire, which all who devote themselves to the priesthood ought to do, perform the daily ceremonies of religion in their full detail. Others, who are engaged in worldly pursuits, and even some who follow the regular profession of the sacerdotal tribe, abridge these rites: they comprise all the daily sacraments in one ceremony, called *Vaisvadeva*, which is celebrated in the forenoon, and by some in the evening likewise. It consists in oblations to the Gods, to the *Manes*, and to the spirits, out of the food prepared for the daily meal; and in a gift of a part of it to *Śiva* and the *Deities*.

SITTING down on a clean spot of ground, the *Bráhmaṇa*

Bráhmaṇa places a vessel containing fire on his right hand, and hallows it by throwing away a lighted piece of *cusá* grass, saying, "I dismiss far away carnivorous fire," &c. He then places it on the consecrated spot, reciting the prayer, with which the household and sacrificial fires should be lighted by the attrition of wood; "Fires! [this wood] is thy origin, which is attainable in all seasons; whence being produced, thou dost shine. Knowing this, seize on it, and afterwards augment our wealth."

He then lays *cusá* grass on the eastern side of the fire, with its tips pointed towards the north, reciting the first verse of the *Rigvéda*, with which also it is usual to commence the daily lecture of that *Véda*, "I praise divine fire, primevally consecrated, the efficient performer of a solemn ceremony, the chief agent of a sacrifice, the most liberal giver of gems."

He next spreads *cusá* grass on the southern side of the fire, with its tips pointed towards the east, reciting the introduction of the *Yajurvéda*, with which also a daily lecture of the *Yajush* is always begun. "1. I gather thee for the sake of rain." [He breaks off a branch of a tree, or is supposed to do so, with these words.] 2. "I pluck thee for the sake of strength." [He pulls down the branch he had broken.] 3. "Ye are like unto air." [He touches young calves with the branch he had plucked.] 4. "May the liberal generator [of worlds] make you happily reach this most excellent sacrament." [He is here supposed to touch the milch cows with the same branch.]

He then spreads *cusá* grass on the western side, with the tips pointed to the north, reciting the prayer which precedes a lecture of *Sámadéva*, "Fire! approach to taste [my offering;] thou, who art praised for the gift of oblations. Sit down on this grass; thou, who art the complete performer of the solemn sacrifice."

In like manner he spreads *cusá* grass on the
6 northern

northern side, with the tips pointed to the east, reciting the prayer which precedes a lecture of the *Atharvān*. "May divine waters be auspicious to us, &c."

EXCITING the fire, and sprinkling water on it, he must offer with his hands food smeared with clarified butter, three several times, saying, "Earth! Sky! Heaven!" He then makes five similar oblations to the regent of fire; to the god of medicine; to the assembled deities; to the lord of created beings; and, lastly, to the Creator of the universe." He concludes the sacrament of the Gods with six oblations, reciting six prayers. 1. "Fire! thou dost expiate a sin against the Gods [arising from any failure in divine worship:] may this oblation be efficacious." 2. "Thou dost expiate a sin against man [arising from a failure in hospitality.]" 3. "Thou dost expiate a sin against the manes [from a failure in the performance of obsequies.]" 4. "Thou dost expiate a sin against my own soul [arising from any blameable act.]" 5. "Thou dost expiate repeated sins." 6. "Thou dost expiate every sin I have committed, whether wilfully or unintentionally: may this oblation be efficacious."

HE then worships fire, making an oblation to it with this prayer, "Fire! seven are thy fuels; seven thy tongues; seven thy holy sages; seven thy beloved abodes; seven ways do seven sacrificers worship thee. Thy sources are seven. Be content with this clarified butter. May this oblation be efficacious *."

T

ABOUT

* The commentator enumerates the seven tongues of fire, *Pra-
kṣa*, *Avaha*, *Udvaha*, *Samvaha*, *Vivaha*, *Parivaha*, *Nivaha*,
(the *Anuvaha*;) all of which imply the power of conveying obla-
tions to the deities, to whom offerings are made. The seven holy
sages and sacrificers are the *Hótri*, *Maitrávarúna*, *Bráhmánach'-
udat*, *Ach'bávác*, *Pótri*, *Néshtri*, and *Agnid'bra*; that is, the
seven officiating priests at very solemn sacrifices. They worship fire
in ways by the *Agnish'óma* and other sacrifices. The seven
abodes

ABOUT this time he extinguishes the *Racshóghna*, or lamp lighted previously to the presenting of oblations to the Gods and to the manes. It was lighted for the purpose of repelling evil spirits, and is now extinguished with this text. - "In solemn acts of religion, whatever fails through the negligence of those who perform the ceremony, may be perfected solely through meditation on VISHN'U."

THE *Brahman'a* should next offer the residue of the oblation to spirits, going round to the different places where such oblations ought to be made, sweeping each spot with his hand, sprinkling water on it, and placing there lumps of food. Near the spot where the vessel of water stands, he presents three such oblations, saying, "salutation to rain; to water; to the earth." At both doors of his house he makes offerings to D'HÁTRĪ and VID'HÁTRĪ, or BRAHMÁ, the protector and creator. Towards the eight principal points of the compass he places offerings, severally adding salutation to them and to the regents of them. In the middle of the house he presents oblations, with salutation to BRAHMÁ, to the sky, and to the sun. Afterwards he offers similar oblations to all the Gods; to all beings; to twilight; and to the lord of all beings. He then shifts the sacrificial cord, and looking towards the south and dropping one knee, he presents an oblation to the manes of ancestors, saying, "salutation to progenitors: may this ancestral food be acceptable." This ceremony is not constantly practised, though directed in some rituals; but the residue of the ob-

abodes are the names of the seven worlds: and fire is called in the *saptachitica*, which seems to allude to seven consecrated hearths. In the sixteen verses called *Paurusha*, which have been already quoted, the names of the seven worlds, thrice repeated, are understood to be named by the thrice seven fuels; and the seven oceans are the seven surrounding the altar. Fire, like the sun itself, is supposed to have seven rays: this perhaps may account for the number seven being often repeated.

lation to the Gods must be left on a clean spot of ground as an oblation to all beings, intended, however, for dogs and crows in particular. It is presented with the following prayer, which is taken from the *Puránas*. "May Gods, men, cattle, birds, demigods, benevolent genii, serpents, demons, departed spirits, blood thirsty savages, trees, and all who desire food given by me; 2. May reptiles, insects, flies, and all hungry beings, or spirits concerned in this rite, obtain contentment from this food left for them by me; and may they become happy: 3. May they, who have neither mother, nor father, nor kinsman, nor food, nor means of obtaining it, be satisfied with that which is offered by me on this spot for their contentment, and be cheerful." Or the following prayer may be used, "To animals who night and day roam in search of food offered to the spirits; he who desires nourishment, should give something: may the lord of nourishment grant it unto me."

HE concludes by performing a lustration similar to that which has been already noticed, but much shorter. After thus completing the other sacraments, the householder should present food to his guests, that is, to any person who claims his hospitality. When he has thus allotted out of the food prepared for his own repast, one portion to the Gods, a second to progenitors, a third to all beings, and a fourth to his guests, he and his family may then, and not before, consume the remaining portion of the food. Whenever a spiritual preceptor, a devotee, or an officiating priest, a bridegroom, or a particular friend, comes as a guest, he is received with honours, which will be described among the nuptial ceremonies. In the entertainment of other guests no religious rites are performed, nor any prayers recited.

The householder is enjoined to give daily alms; but no particular time is prescribed for the distribution of them; he is simply directed to give food

to religious mendicants whenever they come to door; but especially if they come at the time w food is ready for his own meal. On the authorit the *Purāṇas* it is also a common practice to fea cow before the householder breaks his own fast*. either presents grass, water and corn to her; this text, "Daughter of SURABHÍ, framed of elements, auspicious, pure, holy, sprung from sun, accept this food given by me; salutation to thee:" or else he conducts the kine to grass, say "May cows, who are mothers of the three wor and daughters of SURABHÍ, and who are benefic pure, and holy, accept the food given by me."

SOME *Bráhmaṇas* do still further abridge the c pendious ceremony called *Vaisvadeva*. They c perfumes and flowers to fire; and make five o tions, out of the food prepared for their own use BRAHMÁ, to the lord of created beings, to household fire, to CAŚYAPA and to ANUMA dropping each oblation on fire, or on water, or the ground, with the usual addition, "may t oblation be efficacious." They then make offeri to all beings, by placing a few lumps of food at door, or on a quadrangular spot near the fire, wit salutati

* The adoration of a cow is not uncommon. This worshi^s consists in presenting flowers to her, washing her feet, &c. It is en^tirely different from the practice here noticed. Both seem to be founded on the superstitious notion, that the favour of SURABHÍ, (the be^lieving granting cow) may be gained by showing kindness to her offspring. The story of VASISHTA'S cow, NANDINI, attended by the ki^{ng} DILÍPA for the sake of obtaining a boon through her means, is a pretty fable grounded on this notion. It is beautifully told by CA'LIDA'SA in the *Raghuvaṇ'sa*. I cannot refrain from mention^{ing} another fable of a cow named BAHULA', whose expostulations w^{it}h tyger, pleading to him to spare her life, form the only admired sage in the ITA'HASAS or collection of stories supposed to be related by BHIMASE'NA, while he lay at the point of death wounded with m^{er}itable arrows. The fourth day of *Āśvina* is sacred to this cow and named from her *Bahulá Chaturthi'*. Images of her and of her calf are worshipped; and the extract from the ITI'HASAS is on that day recited with great solemnity.

salutation to DHATRY, &c. and they immediately proceed to their own repast.

HERE too, as in every other matter relating to private morals, the *Hindu* legislators, and the authors of the *Parán'as*, have heaped together a multitude of precepts, mostly trivial, and not unfrequently absurd. Some of them relate to diet ; they prohibit many sorts of food altogether, and forbid the constant use of others ; some regard the acceptance of food, which must on no account be received if it be given with one hand, nor without a leaf or dish ; some again prescribe the hour at which the two daily meals which are allowed, should be eaten (namely in the forenoon, and in the evening) ; others enumerate the places (a boat for example) where a *Hindu* must not eat, and specify the persons (his sons and the inmates of his house) with whom he should eat, and those (his wife for instance) with whom he should not. The lawgivers have been no less particular in directing the posture in which the *Hindu* must sit ; the quarter towards which he ought to look, and the precautions he should take to insulate himself, as it were, during his meal, lest he be contaminated by the touch of some undetected sinner who may be present. To explain even in a cursory manner the objects of all these would be tedious, but the mode in which a *Hindu* takes his repast, conformably with such injunctions as are most cogent, may be briefly stated, and with this I shall close the present essay.

AFTER washing his hands and feet, and sipping water without swallowing it, he sits down on a stool or cushion (but not on a couch nor on a bed), before his plate, which must be placed on a clean spot of ground that has been wiped and smoothed in a quadrangular form, if he be a *Brákman'a* ; a triangular one, if he be a *Cshatriya* ; circular, if he be a *Vaisya* ; and in the shape of a crescent, if he belong to the fourth tribe. When the food is first brought in he is required to bow to it, raising both hands in the

form of humble salutation to his forehead ; and he should add, "may this be always ours : " that is, may food never be deficient. When he has sitten down, he should lift the plate with his left hand and bless the food, saying, "thou art invigorating." He sets it down, naming the three worlds, or if the food be handed to him, he says, "may heaven give thee," and then accepts it with these words, "the earth accepts thee ;" before he begins eating, he must move his hand round the plate to insulate it, or his own person rather, from the rest of the company. He next offers five lumps of food to *Yama* by five different titles ; he sips and swallows water ; he makes five oblations to breath by five distinct names, *Prāṇa*, *Vyāna*, *Apāna*, *Samāna*, and *Udāna* ; and lastly, he wets both eyes. He then eats his repast in silence, lifting the food with all the fingers of his right hand, and afterwards again sips water, saying, "Ambrosial fluid ! thou art the couch of *VISHN'U* and of food.

NOTES.

NOTES.

(A) THAT *Hindus* belong to various sects is universally known; but their characteristic differences are not perhaps so generally understood. Five great sects exclusively worship a single deity; one recognises the five divinities which are adored by the other sects respectively, but the followers of this comprehensive scheme mostly select one object of daily devotion, and pay adoration to other deities on particular occasions only. Even they deny the charge of polytheism, and repel the imputation of idolatry; they justify the practice of adoring the images of celestial spirits, by arguments similar to those which have been elsewhere employed in defence of angel and image worship. If the doctrines of the *Véda*, and even those of the *Purán'as*, be closely examined, the *Hindu* theology will be found consistent with monotheism, though it contain the seeds of polytheism and idolatry. I shall take some future occasion of enlarging on this topic: I have here only to remark, that modern *Hindus* seem to misunderstand the numerous texts, which declare the unity of the godhead, and the identity of VISHNU, SIVA, the Sun, &c. Their theologists have entered into vain disputes on the question, which among the attributes of GOD, shall be deemed characteristic and pre-eminent. SANCARA A'CHÁRYA, the celebrated commentator on the *Véda*, contended for the attributes of SIVA, and founded or confirmed the sect of *Saivas*, who worship MAHA' DÉVA as the supreme being, and deny the independent existence of VISHN'U and other deities. MÁD'HAVA ÁCHÁRYA and VALLABHA ÁCHÁRYA have in like manner established the sect of *Vaishn'avas*, who adore VISHN'U as GOD. The *Suras* (less numerous than the two sects abovementioned) worship the Sun, and acknowledge no other divinity. The *Gáru'patyas* adore GAN'ÉS'A as uniting in his person all the attributes of the deity.

BEFORE I notice the fifth sect, I must remind the reader that the *Hindu* mythology has personified the abstract and attractive powers of the divinity, and has ascribed sexes to these mythological personages. The *Sacti*, or energy of an attribute of GOD, is female, and is fabled as the consort of that personified attribute. The *Sacti* of SIVA, whose emblem is the phallus, is herself typified by the female organ. This the *Sáctas* worship, some figuratively, others literally.

VÓPADÉVA, the real author of the *S'ri Bhággavata*, has endeavoured to reconcile all the sects of *Hindus* by reviving the doctrines of VYA'SA. He recognises all the deities, but as subordinate to the supreme being, or rather as attributes or manifestations of GOD. A new sect has been thus formed, and is denominated from that modern *Purána*; but the numerous followers of it do not seem to have well apprehended the doctrines they profess. They incline much to real polytheism, but do at least reject the derogatory notions of the divinity, which the other sects seem to have adopted.

The *Vaishnávas*, though nominally worshippers of VISHNÚ, are in fact votaries of deified heroes. The *Góculast'has* (one branch of this sect) adore CRISHN'A, while the *Rámanuj* worship RAMACHANDRA. Both have again branched into three sects: one consists of the exclusive worshippers of CRISHN'A, and these only are deemed true and orthodox *Vaishnávas*; another joins his favourite RA'D'HA' with the hero. A third, called *Rád'háballabhi*, adores RA'D'HA' only, considering her as the active power of VISHNÚ. The followers of these last mentioned sects have adopted the singular practice of presenting to their own wives the oblations intended for the goddess; and those among them who follow the left handed path (there is in most sects a right-handed or decent path, and a left-handed or indecent mode of worship;) require their wives to be naked when attending them at their devotions.

Among

AMONG the *Rámánuj*, some worship RA'MA only; others SI'TA'; and others both RA'MA and SI'TA'. None of them practise any indecent mode of worship; and they all, like the *Góculast'has*, as well as the followers of the *Bhágavata*, delineate on their foreheads, a double upright line with chalk, or with sandal wood, and a red circlet with red sanders, or with turmeric and lime; but the *Rámánuj* add an upright red line in the middle of the double white one.

THE *Saivas* are all worshippers of S'IVA and BHA-WA'NI conjointly; and they adore the *linga* or compound type of this God and Goddess; as the VAISH-N'AVAS do the image of LACSHMI-NÁ'RA'YANA'. There are no exclusive worshippers of S'IVA besides the sect of naked gymnosophists called *Lingís*; and the exclusive adorers of the Goddess are the *Sáctas*. In this last mentioned sect, as in most others, there is a right-handed and decent path, and a left-handed and indecent mode of worship: but the indecent worship of this sect is most grossly so, and consists of unbridled debauchery with wine and women. This profligate sect is supposed to be numerous though unavowed. In most parts of India, if not in all, they are held in deserved detestation; and even the decent *Sáctas* do not make public profession of their tenets, nor wear on their foreheads the mark of the sect, lest they should be suspected of belonging to the other branch of it.

THE *Saivas* and *Sáctas* delineate on their foreheads three horizontal lines with ashes obtained, if possible, from the hearth on which a consecrated fire is perpetually maintained; they add a red circlet, which the *Saivas* make with red sanders, and which the *Sáctas*, when they avow themselves, mark either with saffron or with turmeric and borax.

THE *Sauras* are true worshippers of the sun; and some of them, it seems, adore the dormant and active energies of the planet conjointly. This sect, which

which is not very numerous, is distinguished by the use of red sanders for the horizontal triple line, as well as for the circlet on their foreheads.

THE *Gáruṭpatyas* have not, so far as I can learn, branched into different sects. Nor can I add any information respecting their peculiar tenets, further than that GAN'É'S'A is exclusively worshipped by them. The sect is distinguished by the use of red minium for the circlet on their foreheads. The family of *Brámaṇas*, residing at *Chínchwér* near *Púná*, and enjoying the privilege of an hereditary incarnation of GAN'É'S'A from father to son, probably belongs to this sect. We may hope for more information on this curious instance of priestcraft and credulity, from the inquiries made on the spot by the gentlemen of the embassy from Bombay, who lately visited that place.

BEFORE I conclude this note, (concerning which it should be remarked, that the information here collected rests chiefly on the authority of verbal communications,) I must add, that the left-handed path, or indecent worship of the several sects, especially that of the *Sáctas*, is founded on the *Tantras*, which are for this reason held in disesteem. I was misinformed when I described them as constituting a branch of literature highly esteemed though much neglected. (As. Res. vol. 5, p. 54.) The reverse would have been more exact.

(B) THIS prayer, when used upon other occasions, is thus varied, "salutation unto you, O fathers, and unto the saddening season, &c." The six seasons, in the order in which they are here named, are the hot, dewy, rainy, flowery, frosty and sultry seasons. One is indicated in this passage by the name of the month, with which it begins; and a text of the *Véda*, alluded to by the late Sir WILLIAM JONES, in his observations on the lunar year of the *Hindus*, (As. Res. v. 3, p. 258,) specifies *Tapas* and *Tapasya*, the lunar (not the solar) *Mágha* and *Phálguna*,

Phālguna, as corresponding with *Sísira*, that is with the dewy season. The text in question shall be subjoined to this note, because it may serve to prove that the *Vēda*, from which it is extracted, (*ĀPAS-TAMBA*'s copy of the *Vajurvēda* usually denominated the white *Yajush*;) cannot be much older than the observation of the colures recorded by *PARA'S'ARA* (see *As. Res. v. 2. p. 268* and *393*;) which must have been made nearly 1391 years before the Christian æra (*As. Res. v. 5. p. 288*.) According to the *Vēda* the lunar *Madhu* and *Mādhava*, or *Chaitra* and *Vaisāc'ha*, correspond with *Vasanta* or the spring. Now the lunar *Chaitra*, here meant, is the primary lunar month beginning from the conjunction which precedes full moon in or near *Chitrā*, and ending with the conjunction which follows it. *Vaisāc'ha* does in like manner extend from the conjunction which precedes full moon in or near *Visāc'hā* to that which follows it. The five *nacshatrus*, *Hasta*, *Chitrā*, *Swāti*, *Visāc'hā* and *Anuradhā*, comprise all the asterisms in which the full moons of *Chaitra* and *Vaisāc'ha* can happen; and these lunar months may therefore fluctuate between the first degree of *Uttara P'hālguni* and the last of *Jyēsht'hā*. Consequently the season of *Vasanta* might begin at soonest when the sun was in the middle of *Pūrva Bhādrapada*, or it might end at latest when the sun was in the middle of *Mṛigasiras*. It appears then, that the limits of *Vasanta* are *Pisces* and *Taurus*; that is *Mina* and *Vṛisha*. (This corresponds with a text which I shall forthwith quote from a very ancient *Hindu* author.) Now, if the place of the equinox did then correspond with the position assigned by *PARA'S'ARA* to the colures, *Vasanta* might end at the soonest seven or eight days after the equinox, or at latest thirty-eight or thirty-nine days; and on a medium (that is, when the full moon happened in the middle of *Chitrā*;) twenty-two or twenty-three days after the vernal equinox. This agrees exactly with the
real

in a course of the seasons; for the rains do generally begin a week before the summer solstice, but their commencement does vary, in different years, about a fortnight on either side of that period. It seems therefore a probable inference, that such was the position of the equinox when the calendar of months and seasons was adjusted as described in this passage of the *Véda*. Hence I infer the probability, that the *Védas* were not arranged in their present form earlier than the fourteenth century before the Christian æra. This, it must be acknowledged, is vague and conjectural; but, if the *Védas* were compiled in India so early as the commencement of the astronomical *Cali yuga*, the seasons must have then corresponded with other months; and the passage of the *Véda*, which shall be forthwith cited, must have disagreed with the natural course of the seasons at the very time it was written. I shall now quote the passage so often alluded to in this note. *Mad'hus' cha Mádharas' cha Vāsanticāv rītú; Sucras' cha Suchi' cha grāshmaāv rītú; Nabhas' cha Nabhasya' cha varshicāv rītú; Ishas chōjas' cha sāradaāv rītú; Sahas' cha Sahasyas' cha himanticāv rītú; Tapas' cha Tapasyas' cha s'aisirāv rītú.*" *Madhu* and *Mádharma* are the two portions of the season *Vasanta* (or the spring); *Sucra* and *Suchi*, of *grīshma* (or the hot season); *Nabhas* and *Nabhasya*, of *varsha* (or the rainy season); *Ijas* and *Ujas*; of *Sarada* (or the sultry season); and *Sahas* and *Sahasya*, of *himanta* (or the frosty season); and *Tapas* and *Tapasya*, of *s'isra* (or the dewy season).

ALL authors agree that *Madhu* signifies the month of *Chaitra*; *Mádharma* the month of *Vaisac'ha*, and so forth. These names are so explained in dictionaries and by astronomical writers, as well as by the commentators on this and other passages, where these names of the months are employed. The author now before me (*DIVÁCARA BHÁTTA*) expressly says, that this text of the *Vedá* relates to the order
of

of the seasons according to the lunar months. He proves it by quoting a text of the *Taittiriya Yajuroéda*, and afterwards cites the following passage from BAUDHAY'ANA respecting the seasons measured by solar-sidereal time, "*Mina Méshayór Mésha Vrīshabhayór vá vasantah*," &c. *Vasanta* corresponds with *Mina* and *Mésha*, or with *Mésha* and *Vrīsha*, &c. It should be observed, that the secondary lunar month, which begins and ends with full-moon, cannot be here meant; because this mode of reckoning has never been universal; and the use of it is limited to countries situated to the northward of the *Vindhya* range of hills, as I learn from the following passage of the *Tricānd'a mandana*. "The lunar month also is of two sorts, commencing either with the light fortnight, or with the dark one. Some do not admit the month which begins with the dark fortnight; and even by them who do, it is not admitted on the south of the *Vindhya* mountains."

Note on Volume 5th, page 108.

IN Nos. 3, 5, and 22 of the 5th volume of Asiatic Researches, there are many typographical errors, occasioned chiefly by the inaccuracy of the amanuensis who transcribed those tracts for transmission to the press. In most instances the correction will readily occur to the reader; but one (p. 108, l. 14 and 15, requires to be marked, because the error very materially affects the sense of the passage, which is there verbally translated from RAGHUNANDANA's treatise on astrology. I shall take the present opportunity of amending that translation, which is not sufficiently exact as it now stands, and I shall add some remarks on it.

"THE *Ghat'icás*, elapsed from the beginning of the day, being doubled and divided by five, are the lords [*or regents*] of *hórás* considered as a denomination of time. During the day these regents are determined by intervals of six [*counted*] from the day's own regent; during the night, by intervals of five."

IIÓRÁ, though not found in the most familiar vocabularies of the *sanscrit* language, is noticed in the *Viśwa Médiní*, as bearing several senses. It signifies the diurnal rising of a sign of the zodiac, and also signifies an astrological figure, and half a sign. It is in this last acceptation, that the word is used in the foregoing passage. Considered as a denomination of time, half a sign of the zodiac is the twenty-fourth part of a day, and the coincidence of the name for that measure of time is no less remarkable, than the assigning of a planet to govern each hour, which was done by European as well as Indian astrologers. The hours of the planets (as is remarked by CHAUCER in his treatise on the astrolabe) follow the order of the planets
 ♄ . ♀ . ☿ . ☾ . ♀ . ☿ . ☾ .
 Consequently, the first hour of Saturday being that of Saturn, the twenty-fourth

fourth of the same day is the hour of Mars ; and the first of the next day is that of the Sun, and so on. This seems to account for the planets giving names to the days of the week : and Gibelin, who denies in his *Monde primitif*, that the days of the week do so correspond with the order of the planets, mistook by transposing Mercury and Venus. Indian astrology uses the inverse order of the planets ; and the succession of them as regents of *Ghat's* will bring the Moon to be the first of Monday, and the Sun to be the sixtieth of the same day. Consequently the first *ghat'i* of the next day is that of Mars, and so on through the week. It may be remarked, that the regents of *Hórás* during the day are the same in the astrology of the *Hindus* with the regents of hours according to the old astrologers of Europe. I shall here close this trivial subject, which has been introduced by me, only because the coincidence here noticed cannot well have been accidental.

IX.

*On the Religious Ceremonies of the HINDUS,
and of the BRA'MENS especially.*

By H. T. COLEBROOKE, Esq.

ESSAY III.

HOSPITALITY has been already mentioned in the preceding Essay, as one of the five great sacraments which constitute the daily duty of a *Hindu*. The formal reception of such guests as are entitled to peculiar honour, was reserved for the subject of the present tract. The religious rites, intermixed with acts of courtesy, which are practised by way of formal hospitality, are nearly the same, whether it be high rank, a venerable profession, or cordial friendship, which entitles the guest to be welcomed with distinction. They chiefly consist in presenting to him a stool to sit on, water for ablutions, and honey mixed with other food for refreshment. It seems to have been anciently the custom to slay a cow on this occasion; and a guest was therefore called *goghna*, or cow killer. Imperfect traces of this custom remain in the hospitable ceremonies, which I shall now describe from the ritual of *Brámanas*, who use the *Sámaveda*. As the marriage ceremony opens with the solemn reception of the bridegroom by the father of the bride, this part of the nuptial solemnity may be fitly chosen as an example of hospitable rites. It will furnish occasion too for proceeding to describe the whole of the marriage ceremony.

HAVING previously performed the obsequies of ancestors, as is usual upon any accession of good fortune, the father of the bride sits down, to await the bridegroom's arrival, in the apartment prepared for

for the purpose; and at the time chosen for it, according to the rules of astrology. The jewels, and other presents intended for him, are placed there; a cow is tied on the northern side of the apartment; and a stool or cushion, and other furniture for the reception of the guest, are arranged in order. On his approach, the bride's father rises to welcome him, and recites the following prayer, while the bridegroom stands before him.

"MAY she, [who supplies oblations for] religious worship, who constantly follows her calf, and who was the milch-cow, when YAMA was [the votary], abound with milk, and fulfil our wishes, year after year."

THIS prayer is seemingly intended for the consecration of the cow, which is let loose in a subsequent stage of the ceremony, instead of slaying her, as appears to have been anciently the custom. The commentator, whose gloss has been followed in this version of the text, introduces it by the remark, that a guest, entitled to honourable reception, is a spiritual preceptor, a priest, an ascetick, a prince, a bridegroom, a friend, or in short any one, to welcome whose arrival a cow must be tied for the purpose of playing her, whence a guest is denominated *gôghna*, or cow-killer. The prayer seems to contain an allusion, which I cannot better explain, than by quoting a passage from CA'LIDĀSA's poem, entitled *Raghuvansa*, where VAS'ISHT'HA informs the king DILĪPA that the cow *Surabhī*, who was offended by his neglect, cannot be now appeased by courtesy shown to herself, because she remains in a place inaccessible to him: "PRACHE'TAS is performing a tedious sacrifice, to supply the oblations of which, *Surabhī* now abides in the infernal region, whose gates are guarded by huge serpents."

AFTER the prayer above mentioned has been recited, the bridegroom sits down on a stool or cushion, which is presented to him: he first recites a

text of the *Yajurvéda* ; " I step on this for the sake of food and other benefits, on this variously splendid footstool." The bride's father presents to him a cushion made of twenty leaves of *cusa* grass, holding it up with both hands, and exclaiming, " the cushion ! the cushion ! the cushion !" The bridegroom replies, " I accept the cushion," and, taking it, places it on the ground under his feet, while he recites the following prayer : " May those plants, over which SÓMA presides, and which are variously dispersed on the earth, incessantly grant me happiness while this cushion is placed under my feet." Another is presented to him, which he accepts in the same manner, saying, " May those numerous plants, over which SÓMA presides, and which are salutary a hundred different ways, incessantly grant me happiness while I sit on this cushion." Instead of these prayers, which are peculiar to the *Bráhmaṇas*, that use the *Sāmavéda*, the following text is commonly recited : " I obscure my rivals, as the sun does other luminaries ; I tread on this as the type of him who injures me."

THE bride's father next offers a vessel of water, thrice exclaiming, " water for ablutions !" The bridegroom declares his acceptance of it, and looks into the vessel, saying, " Generous water ! I view thee ; return in the form of fertilizing rain, from him from whom thou dost proceed ;" that is, from the sun ; for it is acknowledged, says the commentator, that rain proceeds from vapours raised by the heat of the sun. The bridegroom takes up water in the palms of both hands joined together, and throws it on his left foot, saying, " I wash my left foot, and fix prosperity in this realm ;" he also throws water on his other foot, saying, " I wash my right foot, and introduce prosperity into this realm ;" and he then throws water on both feet, saying, " I wash first one, and then the other ; and lastly both feet, that the realm may thrive, and intrepidity be gained."

The following is the text of the *Yajush*, which is generally used instead of the preceding prayers: "Thou dost afford various elegance; I accept thee, who dost so: afford it for the ablution of my feet."

AN *arghya* (that is, water, rice, and *duroâ* grass in a conch, or in a vessel shaped like one, or rather like a boat,) is next presented to the bridegroom in a similar manner, and accepted by him with equal formality: he pours the water on his own head, saying, "Thou art the splendour of food; through thee may I become glorious." This prayer is taken from the *Yajush*; but the followers of that *Vêda* use different texts, accepting the *arghya* with this prayer, "Ye are waters (*âp*;) through you may I obtain (*âp*) all my wishes," and pouring out the water with this text, "I dismiss you to the ocean; return to your source, harmless unto me, most excellent waters! but my beverage is not poured forth."

A VESSEL of water is then offered by the bride's father, who thrice exclaims, "take water to be sipped:" the bridegroom accepts it, saying, "thou art glorious, grant me glory;" or else, "conduct me to glory, endue me with splendour, render me dear to all people, make me owner of cattle, and preserve me unhurt in all my limbs."

THE bride's father fills a vessel with honey, curds, and clarified butter; he covers it with another vessel, and presents it to the bridegroom, exclaiming three times, "take the *mad'huparca*." The bridegroom accepts it; places it on the ground; and looks into it, saying, "thou art glorious: may I become so." He tastes the food three times, saying, "thou art the sustenance of the glorious; thou art the nourishment of the splendid; thou art the food of the fortunate; grant me prosperity." He then silently eats until he be satisfied.

ALTHOUGH these texts be taken from the *Yajush*, other prayers from the same *Vêda* are used by

the sects, which follow it. While looking into the vessel, the bridegroom says, "I view thee with the eye of the sun [who draws unto himself what he contemplates.]" On accepting the *mad'huparca*, the bridegroom says, "I take thee with the assent of the generous sun; with the arms of both sons of *Aświnī*; with the hands of the cherishing luminary." He mixes it, saying, "may I mix thee, O venerable present! and remove whatever might be hurtful in the eating of thee." He tastes it three times, saying, "may I eat that sweet, best, and nourishing form of honey, which is the sweet, best, and nourishing form of honey; and may I thus become excellent, sweet-tempered, and well nourished by food." After eating until he be satisfied, and after sipping water, he touches his mouth and other parts of his body with his hand, saying, "may there be speech in my mouth; breath in my nostrils; sight in my eye-balls; hearing in my ears; strength in my arms; firmness in my thighs: may my limbs and members remain unhurt together with my soul."

PRESENTS suitable to the rank of the parties are then presented to the guest. At the marriage ceremony, too, the bride is formally given by her father to the bridegroom, in this stage of the solemnity according to some rituals, but later according to others. The hospitable rites are then concluded by letting loose the cow at the intercession of the guest. A barber, who attends for that purpose, exclaims, "the cow! the cow!" Upon which the guest pronounces this text: "Release the cow from the fetters of VARUNĀ. May she subdue my foe: may she destroy the enemies of both him (the host) [and me.] Dismiss the cow, that she may eat grass and drink water." When the cow has been released, the guest thus addresses her: "I have earnestly entreated this prudent person, [or, according to another

other interpretation of the text, each docile person,] saying, kill not the innocent harmless cow, who is mother of RUDRAS, daughter of VASUS, sister of A'DITYAS, and the source of ambrosia." In the *Yajurveda* the following prayer is added to this text: "May she expiate my sins, and his (naming the host.) Release her that she may graze." It is evident that the guest's intercessions imply a practice, now become obsolete, of slaying a cow for the purposes of hospitality.

WHILE the bridegroom is welcomed with these ceremonies, or more properly before his arrival, the bride bathes during the recital of the following texts. Three vessels of water are severally poured on her head, with three different prayers. 1, "Love! I know thy name. Thou art called an intoxicating beverage. Bring [the bridegroom] happily. For thee was framed the inebriating draught. Fire! thy best origin is here. Through devotion wert thou created. May this oblation be efficacious." 2. "Damsel! I anoint this thy generative organ with honey, because it is the second mouth of the Creator: by that thou subduest all males, though unsubdued; by that thou art lively, and dost hold dominion. May this oblation be efficacious." 3. "May the primeval ruling sages, who framed the female organ, as a fire that consumeth flesh, and thereby framed a procreating juice, grant the prolific power, that proceeds from the three-horned [bull] and from the sun. May this oblation be efficacious." To elucidate the first of these texts, the commentator cites the following passage: "The sage VASISHTHA, the regent of the moon, the ruler of heaven, the preceptor of the Gods, and the great forefather of all beings, however old in the practice of devotion, and old by the progress of age, were deluded by women. Liquors distilled from sugar, from grain, and from the blossoms of

Dassia, are three sorts of intoxicating drinks: the fourth is woman, by whom this world is deluded. One, who contemplates a beautiful woman, becomes intoxicated; and so does he who quaffs an inebriating beverage: woman is called an inebriating draught, because she intoxicates by her looks." To explain the second text, the same author quotes a passage of the *Véda*, intimating that BRAHMA has two mouths, one containing all holiness, the other allotted for the production of all beings, for they are created from his mouth."

AFTER the bridegroom has tasted the *Mad'huparca* presented to him, as above mentioned, the bride's right hand is placed on his, both having been previously rubbed with turmeric or some other auspicious drug. A matron must bind both hands with *cus'a* grass amidst the sound of cheerful musick. To this part of the ceremony, the author of the poem entitled *Naishada* has very prettily alluded in describing the marriage of NALA and DAMAYANTÍ (b. xvi. v. 13 & 14.) As he tasted the *Mad'huparca*, which was presented to him, those spectators, who had foresight, reflected, "he has begun the ceremonies of an auspicious day, because he will quaff the honey of BHATMI's lip. The bridegroom's hand exults in the slaughter of foes; the bride's hand has purloined its beauty from the lotos; it is for that reason probably that, in this well-governed realm of *Viderbha*, both [guilty] hands are fast bound with strong *cus'a*."

THE bride's father, bidding the attendant priests begin their acclamations, such as "happy day! auspicious be it! prosperity attend! blessings! &c." takes a vessel of water containing *tila** and *cus'a*† grass; and pours it on the hands of the bride and bridegroom, after uttering the words, "Om! *sat sat!*"

* *Sesamum Indicum*.

† *Poa cynosuroides*.

sat!" "God the existent!" and after repeating at full length the names and designations of the bridegroom, of the bride, and of himself; and then solemnly declaring, "I give unto thee this damsel adorned with jewels, and protected by the lord of creatures." The bridegroom replies, "well be it!" The bride's father afterwards gives him a piece of gold, saying, "I this day give thee this gold, as a fee for the purpose of completing the solemn donation made by me." The bridegroom again says, "well be it!" and then recites this text: "Who gave *her*? to whom did he give *her*? Love (or free consent) gave *her*. To love he gave *her*. Love was the giver. Love was the taker. Love! may this be thine! with love may I enjoy *her*!" The close of the text is thus varied in the *Sāmaveda*: "Love has pervaded the ocean. With love I accept *her*. Love! may this be thine." In the common rituals another prayer is directed to be likewise recited immediately after thus formally accepting the bride. "May the ethereal element give thee. May earth accept thee."

Being thus affianced, the bride and bridegroom then walk forth, while he thus addresses her: "May the regents of space, may air, the sun, and fire, dispel that anxiety, which thou feelest in thy mind; and turn thy heart to me." He proceeds thus, while they look at each other: "Be gentle in thy aspect, and loyal to thy husband; be fortunate in cattle, amiable in thy mind, and beautiful in thy person: be mother of valiant sons; be fond of delights; be cheerful; and bring prosperity to our bipeds and quadrupeds. First [in a former birth] *Sóma* received thee; a celestial quirister next obtained thee; [in successive transmigrations] the regent of fire was thy third husband: thy fourth is a human being. *Sóma* gave her to a celestial quirister; the *Gandharba* gave her to the regent of fire; fire gave her to me: with her he has given me

wealth and male offspring. May she, a most auspicious cause of prosperity, never desert me, &c."*

It should seem that, according to these rituals, the bridegroom gives a waistcloth and mantle to the bride before he is affianced to her; and the ceremony of tying the skirts of their mantles precedes that of her father's solemnly bestowing her on the bridegroom. But the ritual of the *Samarédi* priests make the gift of the damsel precede the tying of the knot; and, inconsistently enough, directs the mantles to be tied before the bridegroom has clothed the bride. After the donation has been accepted as above-mentioned, the bride's father should tie a knot in the bridegroom's mantle over the presents given with the bride: while the affianced pair are looking at each other. The cow is then released in the manner before described; a libation of water is made; and the bride's father meditates the *gáyatrí*, and ties a knot with the skirts of the bride's and bridegroom's mantles, after saying, "ye must be inseparably united in matters of duty, wealth, and love." The bridegroom afterwards clothes the bride with the following ceremonies:

He goes to the principal apartment of the house, prepares a sacrificial fire in the usual mode, and hallows the implements of sacrifice. A friend of the bridegroom walks round the fire, bearing a jar of water, and stops on the south side of it. Another does the same, and places himself on the right hand of the first. The bridegroom then casts four double handfuls of rice, mixed with leaves of *Sami†*, into a flat basket: near it he places a stone and mullar, after formally touching them: and then, entering

* I omit the remainder of the text, which it would be indecorous to translate into a modern language. The literal sense of it is here subjoined in a Latin version: "Illa redamans accipito fascinum meum, quod ego peramans intromittam in eam, multæ quâ illicebæ untunt."

† *Adenantha aculeata*.

entering the house, he causes the bride to be clothed with a new waistcloth and scarf, while he recites the subjoined prayers. "May those generous women, who spun and wound the thread, and who wove the warp and weft of this cloth, generously clothe thee to old age: long lived woman! put on this raiment." "Clothe her. Invest her with apparel. Prolong her life to great age. May thou live a hundred years. As long as thou livest, amiable woman! revere [that is, carefully preserve] beauty and wealth." The first of these prayers is nearly the same with that which is used by the followers of the *Yajush*, when the scarf is put on the bride's shoulder. It is preceded by a different one, which is recited while the waistcloth is wrapped round her. "May thou reach old age. Put on this raiment. Be lovely: be chaste. Live a hundred years. Invite [that is, preserve and obtain] beauty, wealth, and male offspring. Damsel! put on this apparel." Afterwards the following prayer is recited: "May the assembled gods unite our hearts. May the waters unite them. May air unite us. May the creator unite us. May the god of love unite us."

BUT according to the followers of the *Sāmaveda*, the bridegroom, immediately after the scarf has been placed on the bride's shoulder, conducts her towards the sacrificial fire, saying, "SOMA [the regent of the moon] gave her to a heavenly quirister*: the *Gandharba* gave her to the regent of fire: fire has given her to me, and with her wealth and male offspring." The bride then goes to the western side of the fire, and recites the following prayer, while she steps on a mat made of *Viran'a* grass †, and covered with silk. "May our lord assign me the path by which I may reach

* GUN'AVISHN'U here explains *Gandharba* by the word *A'ditya*, which may signify the sun, or a deity in general.

† *Andropogon aromaticum* or *muricatum*.

reach the abode of my lord." She sits down on the edge of the mat, and the bridegroom offers six oblations of clarified butter, reciting the following prayers, while the bride touches his shoulder with her right hand. 1. "May fire come first among the gods; may it rescue her offspring from the fetters of death; may VARUNA king [of waters] grant that this woman should never bemoan a calamity befallen her children. 2. May the domestic perpetual fire guard her; may it render her progeny long-lived; may she never be widowed; may she be mother of surviving children; may she experience the joy of having male offspring. 3. May heaven protect thy back; may air, and the two sons of ASWINI protect thy thighs; may the sun protect thy children while sucking thy breast; and VRĪHASPATI protect them until they wear clothes, and afterwards may the assembled gods protect them. 4. May no lamentation arise at night in thy abode; may crying women enter other houses than thine; may thou never admit sorrow to thy breast; may thou prosper in thy husband's house, blest with his survival, and viewing cheerful children. 5. I lift barrenness, the death of children, sin, and every other evil, as I would lift a chaplet off thy head, and I consign the fetters [of premature death] to thy foes. 6. May death depart from me, and immortality come; may (YAMA) the child of the sun, render me fearless. Death! follow a different path from that by which we proceed, and from that which the gods travel. To thee who seest and who hearest, I call, saying, hurt not our offspring, nor our progenitors: and may this oblation be efficacious." The bridegroom then presents oblations, naming the three worlds, separately and conjointly, and offers either four or five oblations to fire and to the moon. The bride and bridegroom then rise up, and he passes from her left side to her right, and makes her join her hands in a hollow form.

THE rice *, which had been put into a basket, is then taken up, and the stone is placed before the bride, who treads upon it with the point of her right foot, while the bridegroom recites this prayer, "Ascend this stone, be firm like this stone; distress my foe, and be not subservient to my enemies:" the bridegroom then pours a ladleful of clarified butter on her hands, another person gives her the rice, and two other ladlefuls of butter are poured over it; she then separates her hands, and lets fall the rice on the fire, while the following text is recited; "this woman, casting the rice into the fire, says, may my lord be long lived, may we live a hundred years, and may all my kinsmen prosper; be this oblation efficacious." Afterwards the bridegroom walks round the fire, preceded by the bride, and reciting this text; "the girl goes from her parents to her husband's abode, having strictly observed abstinence [for three days from factitious salt, &c.] Damsel! by means of thee we repress foes, like a stream of water." The bride again treads on the stone, and makes another oblation of rice, while the subjoined prayer is recited: "The damsel has worshipped the generous sun, and the regent of fire; may he and the generous sun liberate her and me from this [family;] be this oblation efficacious." They afterwards walk round the fire as before. Four or five other oblations are made with the same ceremonies and prayers, varying only the title of the sun, who is here called *Pushan*, but was entitled *Aryaman* in the preceding prayer; the bridegroom then pours rice out of the basket into the fire, after pouring one or two ladlefuls of butter on the edge of the basket; with this offering he simply says, "May this oblation to fire be efficacious."

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* From this use of raw rice at the nuptial ceremony, arises the custom of presenting rice, tinged with turmeric, by way of invitation to guests whose company is requested at a wedding.

THE oblations and prayers directed by the *Yajurvéda*, previous to this period of the solemnity, are very different from those which have been here inserted from the *Samtvéda*; and some of the ceremonies, which will be subsequently noticed, are anticipated by the priests, who follow the *Yajush*.

TWELVE oblations are made with as many prayers.

1. May this oblation be efficacious, and happily conveyed to that being, who is fire in the form of a celestial quirister, who is accompanied by truth, and whose abode is truth; may he cherish our holy knowledge and our valour. 2. Efficacious be this oblation to those delightful plants, which are the nymphs of that being, who is fire in the form of a celestial quirister, who is accompanied by truth, and whose abode is truth. 3. and 4. The foregoing prayers are thus varied, "to that being who is the sun, in the form of a celestial quirister, and who consists wholly of the *Sámvéda*. Those enlivening rays, which are the nymphs of that sun. 5. and 6. That being, who is the moon, in the form of a celestial quirister, and who is a ray of the sun, and named *Sushman'a*. Those asterisms, which are the nymphs of the moon, and are called *Bhécuri**. 7. and 8. That being, who is air, constantly moving, and travelling every where. Those waters, which are the nymphs of air, and are termed invigorating. 9. and 10. That being, who is the solemn sacrifice in the form of a celestial quirister, who cherishes all beings, and whose pace is elegant. Those sacrificial fees, which are the nymphs of the solemn sacrifice, and are named thanksgivings. 11. and 12. That being, who is mind in the form of a celestial quirister, who is the supreme ruler of creatures, and who is the fabricator of the universe.

* This term is not expounded by the commentator. *Bba* signifies an asterism: but the meaning of the compound term is not obvious. *Sushman'a* bears some affinity to *Shusumna* mentioned in a former essay; but neither of these names is explained in the commentaries which I have consulted.

Those holy strains (*Rīch* and *Sáman*) who are the nymphs of mind, and are named the means of attaining wishes."

THIRTEEN oblations are next presented, during the recital of as many portions of a single text. "May the supreme ruler of creatures, who is glorious in his victories over [hostile] armies, grant victory to INDRA, the regent of rain: all creatures humbly bow to him; for he is terrible: to him are oblations due; may he grant me victory, knowledge, reflection, regard, self-rule, skill, understanding, power, [returns of] the conjunction and opposition of the sun and moon, and holy texts (*Vṛihat* and *Rat'hantara**)."

EIGHTEEN oblations are then offered, while as many texts are meditated; they differ only in the name of the deity that is invoked. 1. "May fire, lord of [living] beings, protect me in respect of holiness, valour and prayer, and in regard to ancient privileges, to this solemn rite, and to this invocation of deities. 2. May INDRA, lord or regent of the eldest (that is, of the best of beings) protect me, &c. 3. YAMA, lord of the earth. 4. Air, lord of the sky. 5. The sun, lord of heaven. 6. The moon, lord of stars. 7. VṚHASPATI, lord [that is, preceptor] of BRAHMA' [and other deities.] 8. MITRA (the sun) lord of true beings. 9. VARUN'A, lord of waters. 10. The ocean, lord of rivers. 11. Food, lord of tributary powers. 12. SÓMA (the moon,) lord of plants. 13. SAVITRI (the generative sun,) lord of pregnant females. 14. RUDRA (S'IVA) lord of [deities, that bear the shape of] cattle." 15. "The fabricator of the universe, lord of forms." 16. "VISHNU, lord of mountains." 17. "Winds (*Maruts*), lords of (*gánas*) sets of divinities." 18. "Fathers, grandfathers, remoter ancestors,

* Texts of the *Sāmaveda* so named.

ancestors, more distant progenitors, their parents, and grandsires."

OBOLATIONS are afterwards made with prayers corresponding to those which have been already cited from the *Sāmaveda*. 1. "May fire come, first among the gods, &c." 2. "May the domestick perpetual fire guard her, &c." 3. "Fire, who dost protect such as perform sacrifices! grant us all blessings in heaven and on earth: grant unto us that various and excellent wealth which is produced on this earth and in heaven." 4. "O best of luminaries! Come, show us an easy path, that our lives may be uninjured. May death depart from me, and immortality come. May the child of the sun render me fearless." 5. "Death! follow a different path, &c."

THE bride offers the oblations of rice mixed with leaves of *S'ami**, letting fall the offerings on the fire in the manner before mentioned, and with the same prayers, but recited in a reversed order, and a little varied. 1. "The damsel has worshipped the generous sun in the form of fire. May that generous sun never separate her from this husband." 2. "This woman, casting the rice into the fire, says, may my lord be long lived. May my kinsmen reach old age." 3. "I cast this rice into the fire, that it may become a cause of thy prosperity. May fire assent to my union with thee†."

ACCORDING to the followers of the *Yajurveda* the bridegroom now takes the bride's right hand, reciting a text which will be subsequently quoted. The bride then steps on a stone while this text is recited: "Ascend this stone: be firm like this stone. Subdue such as entertain hostile designs against me, and repel them." The following hymn

* *Adenanthera aculeata*.

† This version is conformable to a different commentary, from that which was followed in the former translation.

is then chanted. "Charming SARASWATI, swift as a mare! whom I celebrate in face of this universe; protect this [solemn rite.] O thou! in whom the elements were produced; in whom this universe was framed. I now will sing that hymn [the nuptial text] which constitutes the highest glory of women." The bride and bridegroom afterwards walk round the fire, while the following text is recited: "Fire! thou didst first espouse this female sun [this woman, beautiful like the sun:] now let a human being again espouse her by thy means. Give her, O fire! with offspring, to a [human] husband." The remainder of the rice is then dropped into the fire as an oblation to the god of love.

The next ceremony is the bride's stepping seven steps. It is the most material of all the nuptial rites: for the marriage is complete and irrevokable, so soon as she has taken the seventh step, and not sooner. She is conducted by the bridegroom, and directed by him to step successively into seven circles, while the following texts are uttered: 1.

"May VISHN'U cause thee to take one step for the sake of obtaining food." 2. "May VISHN'U cause thee to take one step for the sake of obtaining strength." 3. "Three steps for the sake of solemn acts of religion." 4. "Four steps for the sake of obtaining happiness." 5. "Five steps for the sake of cattle." 6. "Six steps for the sake of increase of wealth." 7. "Seven steps for the sake of obtaining priests to perform sacrifices*." The bridegroom then addresses the bride, "Having completed seven steps, be my companion. May I become thy associate. May none interrupt thy association with me. May such as are disposed to promote

* In the *Yajurveda* the texts are varied, so that the third step is increase of wealth, and the sixth for obtaining happy seasons.

promote our happiness, confirm thy association with me." The bridegroom then addresses the spectators: "This woman is auspicious: approach and view her: and having conferred [by your good wishes] auspicious fortune on her, depart to your respective abodes."

THEN the bridegroom's friend, who stood near the fire bearing a jar of water, advances to the spot where the seventh step was completed, and pours water on the bridegroom's head, and afterwards on the bride's, while a prayer above mentioned is recited: "May waters and all the Gods cleanse our hearts: may air do so; may the Creator do so; may the divine instructress unite our hearts*."

THE bridegroom then puts his left hand under the bride's hands, which are joined together in a hollow form, and taking her right hand in his, recites the six following texts: 1. "I take thy hand for the sake of good fortune, that thou mayst become old with me, thy husband: may the generous mighty and prolific sun render thee a matron, that I may be a householder." 2. "Be gentle in thy aspect, and loyal to thy husband; be fortunate in cattle; amiable in thy mind, and beautiful in thy person; be mother of surviving sons; be assiduous at the [five] sacraments; be cheerful; and bring prosperity to our bipeds and quadrupeds." 3. "May the lord of creatures grant us progeny, even unto old age; may the sun render that progeny conspicuous. Auspicious deities have given thee to me. Enter thy husband's abode; and bring health to our bipeds and quadrupeds." 4. "O INDRA, who pourest forth rain! render this woman fortunate and the mother of children: grant her ten sons; give her eleven protectors." 5. "Be submissive to thy husband's father, to his mother, to his sister, and to

* It is here translated according to the gloss of GUNĀ VISHNŪ. In the former version I followed the commentary of HELATUD'HĀ.

to his brothers." 6. " Give thy heart to my religious duties; may thy mind follow mine; be thou consentient to my speech. May VRIHASPATI unite thee unto me."

THE followers of the *Yajurveda* enlarge the first prayer, and omit the rest, some of which, however, they employ at other periods of the solemnity. " I take thy hand for the sake of good fortune, that thou mayst become old with me, thy husband: may the deities, namely, the divine sun (*aryaman*), and the prolific being (*savitri*), and the god of love, give thee as a matron unto me, that I may be a householder. I need the goddess of prosperity. Thou art she. Thou art the goddess of prosperity. I need her. I am the *Sáman* [*véda*.] Thou art the *Rich* [*véda*.] I am the sky. Thou art the earth. Come: let us marry: let us hold conjugal intercourse: let us procreate offspring: let us obtain sons. May they reach old age. May we, being affectionate, glorious and well disposed, see during a hundred years, live a hundred years, and hear a hundred years."

ACCORDING to the ritual, which conforms to the *Sáma**véda*, the bridegroom sits down near the fire with the bride, and finishes this part of the ceremony by making oblations, while he names the three worlds severally and conjointly. The taking of the bride's hand in marriage is thus completed. In the evening of the same day, so soon as the stars appear, the bride sits down on a bull's hide, which must be of a red colour, and must be placed with the neck towards the east, and the hair upwards. The bridegroom sits down near her, makes oblations while he names the three worlds as usual; and then makes six oblations with the following prayers, and each time pours the remainder of the clarified butter on the bride's head. 1. " I obviate by this full oblation all ill marks in the lines [of thy hands,] in
X thy

thy eye-lashes, and in the spots [on thy body].” 2. “I obviate by this full oblation all the ill marks in thy hair; and whatever is sinful in thy looking, or in thy crying.” 3. “I obviate by this full oblation all that may be sinful in thy temper, in thy speaking, and in thy laughing.” 4. “I obviate by this full oblation all the ill marks in thy teeth, and in the dark intervals between them; in thy hands, and in thy feet.” 5. “I obviate by this full oblation all the ill marks on thy thighs, on thy privy part, on thy haunches, and on the lineaments of thy figure.” 6. “Whatever natural or accidental evil marks were on all thy limbs, I have obviated all such marks by these full oblations of clarified butter. May this oblation be efficacious.”

THE bride and bridegroom rise up; and he shows her the polar star, reciting the following text: “Heaven is stable; the earth is stable; this universe is stable; these mountains are stable; may this woman be stable in her husband’s family*.” The bride salutes the bridegroom, naming herself and family, and adding a respectful interjection. The bridegroom replies, “be long lived and happy.” Matrons then pour water, mixed with leaves, upon the bride and bridegroom, out of jars, which had been previously placed on an altar prepared for the purpose; and the bridegroom again makes oblations with the names of the worlds, by way of closing this part of the ceremony.

THE bridegroom afterwards eats food prepared without factitious salt. During this meal he recites the following prayers: “I bind with the fetters of food thy heart and mind to the gem [of my soul]; I bind them with nourishment, which is the thread of life; I bind them with the knot of truth.” 2. “May that heart which is yours, become my heart;
and

* *Dhrūva*, the pole, also signifies stable, fixed, steady, firm.

and this heart, which is mine, become thy heart." 2 " Since food is the bond of life, I bind thee therewith." The remainder of the food must be then given to the bride.

DURING the three subsequent days, the married couple must abstain from factitious salt, live chastely and austere, and sleep on the ground. On the following day, that is, on the fourth exclusively*, the bridegroom conducts the bride to his own house on a carriage or other suitable conveyance. He recites the following text when she ascends the carriage: " O wife of the sun ! ascend this vehicle resembling the beautiful blossoms of the cotton tree †, and butea ‡, tinged with various tints ; and coloured like gold ; well constructed ; furnished with good wheels ; and the source of ambrosia [that is, of blessings :] bring happiness to thy husband." Proceeding with his bride, he, or some other person for him, recites the following text on their coming to a cross road : " May robbers, who infest the road, remain ignorant [of this journey,] may the married couple reach a place of security and difficult access by easy roads, and may foes keep aloof."

ALIGHTING from the carriage, the bridegroom leads the bride into the house, chanting the hymn called *Vāmadēya*. Matrons welcome the bride, and make her sit down on a bull's hide, of the same colour, and placed in the same manner as before. The bridegroom then recites the following prayer : " May kine here produce numerous young ; may horses,

X 2

and

* The Muslemans of India do not scruple to borrow from the Hindus superstitious ceremonies that are celebrated with festivity. They take an active part in the gambols of the *Héli*, and even solicit the favours of the Indian Plutus, at the *Diwali*. The bridal procession, on the fourth day, with all the sports and gambols of the *Chaur'bi* (Chatur'bi), is evidently copied from the similar customs of the *Hindus*. In Bengal the *Muslemans* have even adopted the premature marriage of infant brides and bridegrooms.

† *Bombax heptaphyllum*.

‡ *Butea frondosa*.

and human beings do so; and may the deity sit here, by whose favour sacrifices are accomplished with gifts a thousand fold.

THE women then place a young child in the bride's lap; they put roots of lotos, or else fruit of different kinds, in his hand. The bridegroom takes up the child, and then prepares a sacrificial fire in the usual manner, and makes eight oblations with the following prayers, preceded and followed by the usual oblations to the three worlds. 1. "May there be cheerfulness here." 2. "May thine own [kindred] be kind here." 3. "May there be pleasure here." 4. "Sport thou here." 5. "May there be kindness here with me." 6. "May thine own [kindred] be here, benevolent towards me." 7. "May there be here delight towards me." 8. "Be thou here joyous towards me." The bride then salutes her father-in-law and the other relatives of her husband.

AFTERWARDS the bridegroom prepares another sacrificial fire, and sits down with the bride on his right hand. He makes twenty oblations with the following prayers, preceded and followed as usual by oblations to the three worlds. The remainder of each ladleful is thrown into a jar of water, which is afterwards poured on the bride's head. 1. "Fire, expiator of evil! thou dost atone evils for the gods themselves. I, a priest, approach thee, desirous of soliciting thee to remove any sinful taint in the beauty of this woman." 2. "Air, expiator of evil! &c." 3. "Moon, expiator of evil! &c." 4. "Sun, expiator of evil! &c." 5. "Fire, air, moon, and sun, expiators of evil! ye do atone evils for the gods. I, a priest, approach thee, desirous of soliciting thee to remove any sinful taint in the beauty of this woman." 6, 7, 8, 9, 10, "soliciting thee to remove any thing in her person which might destroy her husband." 11, 12, 13, 14, 15, "any thing in

in her person which might make her negligent of cattle."

THE priests who use the *Yajuroêda*, make only five oblations with as many prayers address to fire, air, the sun, the moon, and the *Gandharba* or celestial quirister: praying them to remove any thing in the person of the bride, which might be injurious to her husband, to her offspring, to cattle, to the household, and to honour and glory. The following text is recited while the water is poured on the bride's head: "That blameable portion of thy person, which would have been injurious to thy husband, thy offspring, thy cattle, thy household, and thy honour, I render destructive of paramours: may thy body, [thus cleared from evil,] reach old age with me." The bride is then fed with food prepared in a caldron, and the following text is recited: "I unite thy breath with my breath; thy bones with my bones; thy flesh with my flesh; and thy skin with my skin."

THE ceremonies, of which the nuptial solemnity consists, may be here recapitulated. The bridegroom goes in procession to the house where the bride's father resides, and is there welcomed as a guest. The bride is given to him by her father in the form usual at every solemn donation; and their hands are bound together with grass. He clothes the bride with an upper and lower garment; and the skirts of her mantle and his are tied together. The bridegroom makes oblations to fire, and the bride drops rice on it as an oblation. The bridegroom solemnly takes her hand in marriage. She treads on a stone and mullar. They walk round the fire. The bride steps seven times, conducted by the bridegroom, and he then dismisses the spectators, the marriage being now complete and irrevokable. In the evening of the same day the bride sits down on a bull's hide, and the bridegroom points out to her the polar

star as an emblem of stability. They then partake of a meal. The bridegroom remains three days at the house of the bride's father. On the fourth day, he conducts her to his own house in solemn procession: She is there welcomed by his kindred: and the solemnity ends with oblations to fire.

AMONG *Hindus* a girl is married before the age of puberty. The law even censures the delay of her marriage beyond the tenth year. For this reason, and because the bridegroom too may be an infant, it is rare that a marriage should be consummated until long after its solemnization. The recital of prayers on this occasion constitutes it a religious ceremony, and it is the first of those that are performed for the purpose of expiating the sinful taint which a child is supposed to contract in the womb of his mother. They shall be described in a future essay.

ON the practice of immature nuptials, a subject suggested in the preceding paragraph, it may be remarked, that it arises from a laudable motive; from a sense of duty incumbent on a father, who considers as a debt the obligation of providing a suitable match for his daughter. This notion, which is strongly inculcated by *Hindu* legislators, is forcibly impressed on the minds of parents. But in their zeal to dispose of a daughter in marriage, they do not perhaps sufficiently consult her domestic felicity. By the death of an infant husband, she is condemned to virgin widowhood for the period of her life. If both survive, the habitual bickerings of their infancy are prolonged in perpetual discord.

Numerous restrictions in the assortment of matches impose on parents this necessity of embracing the earliest opportunity of affiancing their children to fit companions. The intermarriages of different classes, formerly permitted, with certain limitations, are now wholly forbidden. The prohibited

degrees

degrees extend to the sixth of affinity : and even the bearing of the same family name is a sufficient cause of impediment.

To conclude the subject of nuptials, I shall only add, that eight forms are noticed by *Hindu* legislators. (MENU, c. 3.) But one only, which has been here described from the Indian rituals, is now used.

X.

**AN ACCOUNT of a METHOD for extending a
GEOGRAPHICAL SURVEY across the PENIN-
SULA of INDIA.**

By BRIGADE MAJOR LAMBTON.

*Communicated by permission of the Right Honourable the Governor of
Fort St. George, in Council.*

HAVING long reflected on the great advantage to general geography that would be derived from extending a survey across the peninsula of India, for the purpose of determining the positions of the principal geographical points; and seeing that, by the success of the British arms during the late glorious campaign, a district of country is acquired, which not only opens a free communication with the *Malabar* coast, but from its nature affords a most admirable means of connecting that with the coast of *Coromandel* by an uninterrupted series of triangles, and of continuing that series to an almost unlimited extent in every other direction; I was induced to communicate my ideas to the right honourable the Governor in Council at *Madras*, who has since been pleased to appoint me to conduct that service, and has supported me with a liberality by which alone it could be carried into execution.

It is scarcely necessary to say, what the advantage will be of ascertaining the great geographical features of a country upon correct mathematical principles; for then after surveys of different districts have been made, in the usual mode, they can be combined into one general map. One surveyor is employed in a district at *Sera*; and another in the

the district of *Chittledroog*. They both have a reference to those particular stations, and their surveys, with respect to them, may be relatively correct: and if *Sera* and *Chittledroog* be laid down right, their respective surveys will fall into their right places on the globe.

It will be unnecessary to state to the Society the imperfect methods that have generally been practised by supposing the earth to be a flat; and yet it has been on this supposition that surveys have been made in general, and corrected by astronomical observation. But although that method of correction may answer for determining the position of places at a great distance, where an error of five or six minutes will be of no very great consequence, yet in laying down the longitudes of places progressively that are not more than twenty miles from one another, it is evident that errors of such a magnitude are not to be overlooked; and an error, even of one mile, would place objects in situations widely different from that which they actually hold on the face of the globe.

If we consider the earth as an exact sphere, we should naturally advert to spherical computation. And having a base actually measured, and reduced to the level, it would be a part of a great circle, while the horizontal angle would be the angle made by two great circles, intersecting each other at the point where the angle was taken. On this hypothesis, the process of extending a survey would be reduced to as great a degree of simplicity as by the method of plane triangles. For then the length of a degree on the meridian could be easily obtained by the celestial arc, and would be equal to a degree in any other direction. The radius of curvature, or the semidiameter of the earth, might also be easily deduced from thence, and being every where the same, the chord of any arc, or the direct distance between two objects subtending that arc, could be computed without the trouble of correcting the observed

served angles. The difference of longitude of any two points might be as easily had; for, knowing the arc between them (which would always correspond with a celestial arc,) and the co-latitudes of the two places, the angle at the pole, or difference of longitude, might be found.

BUT since the earth is not a sphere, but an oblate spheroid, and differing considerably from a sphere, it becomes necessary to determine the length of a degree on the meridian, and a degree at right angles to that meridian, making the point of intersection of the meridian and its perpendicular the middle point of each degree. Now, in determining the measure of those degrees, if the first measurement, or base line, cannot be had in the meridian, two other objects must be chosen therein, and their distance computed trigonometrically, and then compared with the celestial arc. But here the operations, for obtaining this distance, will be attended with some trouble, on account of its being necessary to calculate the chords of the arcs, and the difficulty of determining the angles made by these chords to a sufficient degree of accuracy. For here we are obliged to assume data, and proceed by an approximating method. And, 1st, we must either suppose the earth to be a sphere, and by taking the three angles made by the intersections of three great circles of that sphere, find the sides in degrees and minutes: then take double the sines of half the arcs, or the chords, and there will be had the three sides of a plane triangle, defined in parts of the radius. With these three sides determine the three angles, and these are the angles for calculating the direct distances. Hence, by knowing the base in fathoms, the chord subtending that base (or arc) may also be had in fathoms, by computing from the radius of the assumed sphere, which we must suppose to be of some given magnitude. Then having the length of the chord in fathoms, and the angles corrected as

above, the other chords can be obtained in fathoms also.

OR 2d, Since the chords of small arcs differ very little from those arcs, it will be better to find the distance of the objects from one another by plane trigonometry, the base being one distance. Then we must suppose the earth to be an ellipsoid, whose two diameters have to each other a given ratio. From that, and taking a degree on the meridian to be unity, the ratio of that degree, to a degree in any given direction with the meridian, may be had, as will be shewn hereafter: and that ratio will enable us to allow the appropriate number of degrees and minutes to the computed sides of the triangle, which may then be considered as a spherical one, but whose sides are arcs of circles, having evidently different radii of curvature. It is with these arcs, and the observed angles, from which the angles made by the chords are to be obtained. M. DE LAMBRE has given a formula for determining the angles made by the chords of two arcs under these circumstances, having the arcs themselves and the horizontal angle given. The formula is as follows: Let A = angle made by the chords: a = the horizontal or observed angle; D and d the arcs, in degrees, minutes, &c. Then if x = the correction to be applied to the horizontal angle, A will be equal $a+x$. And the first approximate value of $x = -\frac{1}{2} \tan. \frac{1}{2} a. \text{ v. s. } (D+d)$. The second approximate value $= -(\frac{1}{2} \tan. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} (D+d) - \frac{1}{2} \cot. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} (D-d))$ which is sufficiently near for this purpose; whence $A = a - (\frac{1}{2} \tan. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} (D+d) - \frac{1}{2} \cot. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} (D-d))$. And if greater exactness be required, it will be $A = a - (\frac{1}{2} \tan. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} D + d - \frac{1}{2} \cot. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} D - d) - \text{v. s. } x. \cot. a$. Where x is $= -(\frac{1}{2} \tan. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} D + d - \frac{1}{2} \cot. \frac{1}{2} a. \text{ v. s. } \frac{1}{2} D - d)$, its second approximate value.—And the last term will change its sign to affirmative, if a be greater than 90° . A demon-

stration

stration of the above formula has been given by the Astronomer Royal, and may be seen in the Phil. Transactions for the year 1797, p. 450.

HAVING, by this method, got the angles made by the chords to very near the truth, the rest, with respect to distances, is evident. For the chord of the measured arc (or base) may be had, since by computing the lengths of arcs in any direction, on the ellipsoid, the radius of curvature of that arc is likewise had, and thence the chord. And that chord forms the side of a plane triangle, from which, and the corrected angles, all the data may be had for proceeding upon each of the sides of the first plane triangle.

Now, to determine any portion of a degree on the earth's surface in the meridian, two points may be taken therein, and the direct distance between them ascertained by the above method. Then, by taking the zenith distance of a known star, when passing the meridian, at each extremity of the distance, the celestial arc becomes known in degrees, minutes, &c. from which the terrestrial arc between the two objects is had in degrees, minutes, &c. also:—and having determined the chord in fathoms, the arc may likewise be determined in fathoms, which being compared with the degrees, minutes, &c. the value of a degree is thereby obtained in fathoms.

THE length of a degree, at right angles to the meridian, is also easily known by spherical computation, having the latitude of the point of intersection, and the latitude of an object any where in a direction perpendicular to the meridian at that point. For then the arc between these two points, and the two celestial arcs or colatitudes, will form a right angled triangle, two sides of which are given to find the third, which is the arc in question. And this will apply either to the sphere or spheroid. The arc being known, in degrees and minutes, and the chord

chord having been previously determined in fathoms, being a side of one of those plane triangles, formed by the chords of the terrestrial arcs; the length of that arc can also be determined in fathoms; and, therefore, a degree may be determined in fathoms, having its middle point the point of intersection with the meridian.

Thus having obtained the length of a degree upon the meridian, and its perpendicular, in any given latitude, they will serve as *data* for computing the latitude and longitude of places near that parallel, and near to that, or a known meridian, by means of the chord of a terrestrial arc, oblique to the meridian and its perpendicular, and the chord of the meridional arc intercepted by a great circle falling from the extremity of the oblique chord, and cutting the meridian at right angles. For it will be easy to find the measure either of the part of the meridian, or the portion of the circle at right angles thereto (even by using the observed angles;) and if these be converted into degrees, minutes, &c. according to the length of a degree upon the respective circles, the former will give the difference of latitude, and consequently, by addition or subtraction, the real latitude: the latter, with the co-latitude thus obtained, will enable us to find the angle at the pole. In both these cases the truth may be obtained to within one-fourth, and generally one-tenth of a second, (limiting the operations to a certain extent from a known parallel and meridian;) and that without having recourse to observation, or depending on any hypothesis of the earth's figure.

It will readily occur to the reader, that had the ratio of the assumed diameters been what it really is, and supposing the earth to be an exact ellipsoid, the computed and measured degrees ought to come out the same. But the reason for computing the length of ellipsoidal arcs was only to gain the approximate



values of the angles made by the chords, by doing which, we can come nearer the truth, than by supposing them to be spherical; and though these arcs may not be precisely correct, yet it has been found that a trilling deviation from the truth will not sensibly affect the angles.

It may be further observed, that we are not certain, either of the ratio of the earth's diameters, or of its being an ellipsoid. We have assumed that figure, and have drawn our results from the average of different measurements, made in different parallels, though among themselves they appear contradictory: but we must adopt them, until better measurements can be made, to enable us to come nearer the truth. Should the figure of the earth prove to be the ellipsoid, and the ratio of the equatorial diameter to the polar axis become known, a celestial arc would afford a datum in any assigned latitude, by which, and the observed angles corrected, the direct distances might be computed, and also the distance of any object from a known meridian and its perpendicular, and consequently its longitude and latitude.

But should the earth prove to be neither an ellipsoid, nor a figure generated by any particular curve, of known properties, but a figure whose meridional section is bounded by no law of curvature, then we can obtain nothing until we have an actual measurement, to be applied as has been already mentioned.

Thus much I have thought necessary to premise, that the general principles of the work I have before me may be understood;—principles, which I believe have never been applied in Indian geography, though in England sufficient has been done to manifest their perfection, and to give those gentlemen, who have applied them, a distinguished reputation in the annals of science: and I own, that it was from reading the details of their operations I was first led to consider the subject. The publications of the late

GEN.

GEN. ROY, relative to his measurements on *Hounslow-heath* and *Rumney-marsh*, with his continuations of triangles ;—and the later accounts of a trigonometrical survey along the southern and eastern coasts of *England*, by LIEUT. COL. WILLIAMS, CAPT. MUDGE, and MR. DALBY, are works which I consider as a treasure.

WITH respect to the plan of my operations, had I been possessed of an instrument, which I could have thought sufficiently accurate for taking horizontal angles, I should have measured a base somewhere near the eastern coast, both on account of its being a more regular country, and nearer the level of the sea, to which all future measurements and distances must be reduced, and because I could have computed my longitude from the *Madras* observatory. There would have been, besides, some probability of getting a measurement in the meridian, or so near it, that all oblique directions might have been accurately reduced to it, and that would be a means of at once obtaining the length of a degree on the meridian : and as a degree has never yet been measured in this parallel, it is no trifling circumstance to look forward to, because we should get a datum in the first instance, for computing the ratio of the earth's diameters, considering it to be an ellipsoid. And as I have the same kind of chain, made by the same incomparable artist, Mr. RAMSDEN, as that with which COLONEL WILLIAMS and CAPTAIN MUDGE measured their bases ; from a comparison between two measurements made in parallels so distant from each other, with instruments of the same kind, and reduced to the same standard temperature ; there is some reason to hope that computations made from such measurements may come nearer the truth than any other.

HOWEVER, this is an object to which I look forward when those instruments arrive, which government

ment has been pleased to authorise me to send for. At present it seemed most desirable that I should begin in *Mysore*, and endeavour to forward the surveys of that country. Having made a first measurement there, I think, with the instruments I at present possess, it will be best not to extend my operations too far from some assumed meridian, as I can depend more upon meridional celestial arcs than upon any computed oblique ones. The instrument I have for taking zenith distances is a zenith sector of five feet radius, made by Mr. RAMSDEN, with a micrometer scale that defines nearly one-tenth of a second. With this I can determine two parallels of latitude to be depended on between which to compute by terrestrial measure the relative situations of intermediate places as to latitude. The instrument with which I take horizontal angles is a circular transit instrument, made by Mr. TROUGHTON, whose horizontal limb is only eight inches radius, without a micrometer, but which is graduated to 10"; and though it is an excellent instrument, correct and easy in its adjustments, yet its powers are not sufficient for taking horizontal angles where they are to be reduced to the angles made by the chords.

SECTION I.

Containing an Account of the Measurement of a Base Line on the Table Land of the MYSORE Country near BANGALORE.

I MENTIONED above my reasons for making a measurement in the *Mysore* country. This measurement may, however, not be thought so satisfactory as if it had been done near the sea coast, on account
of

of not being certain as to the exact height above the level of the sea, since that height was determined by corresponding barometrical observations made at *Madras*, and at each extremity of the base, and I am well aware that those results will be exceptionable. But I was careful to found my computations on those observations only which were made when a perfect uniformity in the state of the atmosphere had existed for several days together; that is, when the barometer and thermometer at each place, and at the same hour of the day, had suffered scarcely any sensible variation for a considerable time. And since the quantity to be deducted from the base on account of the height is little more than 8, 5 feet, upon the whole, any error that might arise in correcting for the temperature and density of the atmosphere would be but trifling; I shall therefore, for the present, rest satisfied until the height can be determined trigonometrically, and proceed to give an account of the operations of the measurement, and of the apparatus made use of.

CHAIN.

THE chain is of blistered steel, constructed by Mr. RAMSDEN, and is precisely alike, in every respect, with that used by GENERAL ROY in measuring his base of verification on *Rumney marsh*. It consists of 40 links of $2\frac{1}{2}$ feet each, measuring in the whole 100 feet. It has two brass register heads, with a scale of six inches to each; these scales slide in the brass heads, and are moved by a finger screw, for the purpose of adjusting exactly the two extremities of the chain when extended: in short, every part of it is the same as the one above mentioned, which has been fully described in the *Philosophical Transactions* of 1790, and therefore it is unnecessary to say more on the construction of that instrument here.

ends of the coffers, particularly as a very great part of the ground was hard and stony. Those are described by GENERAL ROY. Those used, as I had not the means of getting better, were no more than the common wooden press screw to move up and down by a female screw with the top of the tripod being a thick piece of wood for the screw to pass through, with another piece of wood three or four inches below that to steady—but a boxed tube to receive the screw was preferred.

BONING TELESCOPE.

FOR the purpose of fixing the objects in position, I used the circular transit instrument which answers remarkably well, both for that purpose and for laying off the principal elevations and positions of the different hypotenuses; but where pickets are to be placed so that the coffers laid in the line of the hypotenuse, I made use of Mr. RAMSDEN's spirit levels; but in using its three legs, I took them off and placed the telescope, with its adjusting screws, upon a stand having an elevating screw in the centre, through a tube with a small iron screw to fix it. On the top of this elevating screw was

hopes no very serious error can arise from the wear of the chain.

COFFERS.

THOSE were of twenty feet each in length, six inches wide in the middle, three at the extremities, and about four inches deep; the sides were near seven inches, and passed below the bottom two inches—they were not of the dimensions of those of GENERAL ROY, on account of the difficulty of procuring boards for the purpose. The same difficulty obliged me to be satisfied with five in place of fifteen; but as I had a great number of people with me, I apprehended no great difficulty in taking out the chain and laying it on the ground while the coffers were moved forward.

PICKETS.

TWELVE strong pickets of three inches diameter, hooped and shod with iron, were made use of—they were of different lengths, from three to four feet; on the top of each picket was placed a piece of very hard seasoned wood, eight inches in length and four in breadth, on the under side of which was fixed with two screws, a hoop of iron, fitted to receive the one on the picket, and to screw firmly upon it by a small screw on the side, when placed properly in the line. This simple contrivance seems to answer the intended purpose for receiving and supporting the ends of the coffers; the two pickets on which the brass register heads were placed, are in all respects the same as those described by GENERAL ROY. There is also the same apparatus for the drawing post and weight post, only in place of the iron ferrule, the brass clamp and pulley are fixed upon pieces of very
Y 2 hard

hard well-seasoned wood, in a manner so simple as to render a description unnecessary.

I FOUND, however, in the course of practice, that tripods, with elevating screws in the centre, answered much better than the pickets for the intermediate ends of the coffers, particularly as a very great part of the ground was hard and stony. Those tripods are described by GENERAL ROY. Those which I used, as I had not the means of getting better, were no more than the common wooden press screw, made to move up and down by a female screw with handles; the top of the tripod being a thick piece of wood for the screw to pass through, with another piece of wood three or four inches below that to keep it steady—but a boxed tube to receive the screw is to be preferred.

BONING TELESCOPE.

FOR the purpose of fixing the objects in allignment, I used the circular transit instrument, which answers remarkably well, both for that purpose and for laying off the principal elevations and depressions of the different hypotenuses; but when the pickets are to be placed so that the coffers may be laid in the line of the hypotenuse, I made use of one of Mr. RAMSDEN's spirit levels; but in place of using its three legs, I took them off and placed the telescope, with its adjusting screws, upon a tripod, having an elevating screw in the centre, passing through a tube with a small iron screw to keep it firm. On the top of this elevating screw was fixed a piece of board about ten inches square—upon that again was placed another piece, which was made to move in a groove by a finger screw, and upon this moveable piece the levelling telescope, with its apparatus, was fixed, having its axis at right angles to the direction of the groove, so that by the finger screw it could easily be moved to the right or left and brought into the direction of the allignment.

A SMALL

Table 1.

TABLE containing the $2^{\circ} 54' 64''$ N. and extending 7,4321 miles N. Easterly, making an α ses, or measured distances. The Second, the length of each in feet with the horizon. The Fourth, the horizontal oblique angles. The Sixth, the quantities to be subtracted from the line. The Seventh, the perpendicular ascents and descents to above or below the termination of the one preceding; and the Ninth, the

No. of the Hyp.	Length of each in Feet.	Elevation from		Mean of five Thermometers.	REMARKS.
		Elev.	Below Inches.		
1	1100	0		85.10	Commenced on the 14th October 1800.
2	1100			85.33	
3	500			81.26	
4	400			80.60	Computed from a measured base of 200 feet—this was done to avoid a deep gully and some rocky ground.
5	100		5.	83.20	
6	200		11.2	81.	
7	900	0	7.3	81.93	
8	500		8.2	79.98	
9	300		6.2	82.20	
10	400		5.0	79.22	
11	300		11.1	75.66	
12	312.422			79.85	
13	300			79.06	The 2d chain of this hypotenuse extended across the Bangalore road.
14	200		17.5	84.80	
15	400	2	3.2	81.05	
16	500	1	6.9	83.72	
17	400	1	2.0	81.12	
18	300	3	10.4	87.80	
19	1000		9.2	85.11	
20	400		3.6	85.20	
21	400		7.8	85.37	
22	400		10.4	82.	Computed from a horizontal base of 5 chains. The angles were taken with the greatest care by the circular instrument—this was necessary to avoid a small tank which was dry when the ground was first inspected.
23	600		6.2	88.05	
24	500		2.1	86.74	
25	200	0	6	85.75	
26	300	1	5.6	79.83	
27	200	2	0.0	83.40	
28	100	1	5.3	80.60	
29	400	5	3.0	80.70	
30	300			87.60	
31	400		8.2	81.05	Computed from a horizontal base of 5 chains. The angles were taken with the greatest care by the circular instrument—this was necessary to avoid a small tank which was dry when the ground was first inspected.
32	200		13.1	75.	
33	1308.0864		4.6	75.40	
34	500	1	3.4	71.62	
35	200	4	5.4	80.50	
36	300			80.03	
37	300		16.9	84.90	
38	200		9.5	81.45	
39	400		7.8	79.52	
40	300			87.36	
41	900			83.24	
42	500		7.6	79.06	
43	800		10.2	84.79	
44	300			91.11	
45	200		8.7	89.31	

A SMALL square picket, or boning rod, with a piece ten inches in length, fixed at right angles, and made to slide up and down, and fasten by a small screw, was placed at the further extremity of the hypotenuse, and the sliding piece put at a convenient height: that piece therefore marked the angle of elevation or depression. The height of the axis of the transit circle, (when that instrument was used,) having been taken by a plumb line, as well as the point directly under its centre: Then having marked out one hundred feet, by a common measure, exactly in the allignement, I removed the transit, and placed the tripod, with its apparatus, precisely on the spot which marked its centre; and measured its height above that spot, comparing the centre, on which the levelling telescope moves, with the transverse axis of the transit, (having previously determined the most convenient height for the coffers to be from the ground.) Then I took the exact measure of the space between the axis of the transit and that of the levelling telescope, and applied it to the boning rod at the extremity of the hypotenuse, and made a mark, at that distance, below the cross slider.

THE level was then adjusted by the screws and spirit level, and its centre brought into the allignement; which being done, the axis of the telescope was elevated, or depressed, until the cross wire corresponded with the mark on the boning rod.

IF the angle of the hypotenuse be beyond the limits of the vertical screw of the level, the tripod must incline so as to bring it within those limits, and that angle of inclination noticed, that the perpendicular height may be justly determined; that however never happened.

BUT, as the angles of elevation and depression are in general very small, I contrived to take them with a small sextant, both on account of saving time, and to avoid running unnecessary risk with the circular

cular instrument. The method which I used was as follows :

I FIRST laid out the direction of the hypotenuse, by a boning rod, placed at a distance, to be seen with the small telescope of the sextant. Another boning rod was then placed at a convenient distance, so that the cross vane might be brought to correspond with the cross wires of the levelling telescope, after it had been carefully adjusted to the horizontal direction by the spirit level. Then, upon the same boning rod was placed another cross vane, and the telescope elevated, or depressed, by the finger screw, until the cross wires were brought into the direction of the hypotenuse by the vane on the distant boning rod. — In taking the angle with the sextant, I placed the axis of motion close to the Y of the levelling telescope, at the opposite end, with the finger screw; so that the two vanes, on the distant and near boning rods, appeared to correspond in the reflector of the sextant, and then the angle was taken.

IN this manner all the smaller angles of elevation and depression were taken, and though not exactly in the way I could have wished, yet I have no doubt of their being nearly correct, perhaps as much so as any direction can be measured.

HENCE the line was determined, which passed through the axis of the levelling telescope, and was parallel to the hypotenuse. In order to place the pickets for receiving the coffers, a piece of wood was contrived for being placed upon the head of each, with a cross vane to slide up and down. Then, a picket was driven, at any given distance in the allignment, and the above piece applied to its top. When the cross piece corresponded with the mark, the picket remained in that state, and the rest of them were driven down in the same manner, and the piece applied to their respective heads; and being all adjusted by that means, their tops were consequently parallel to the line of direction.

THE

THE coffers were then put upon the pickets, and having all their bottoms of the same thickness, they therefore formed the plane in which the chain was to be extended.

WHEN any hypotheruse was terminated, a line, with a plummet, was let fall from the arrow upon the feather edge of the chain; and the point on the ground was marked, which was defined by the point of the plummet, (for a brass register head was there unnecessary,) and the height of that extremity of the chain, from the ground, was carefully taken. The new hypotheruse, therefore, commenced from that same point, and the arrow at the beginning of the next chain was made to coincide with a plumb line falling to the said point. And the height also of that end of the chain, from the ground, was taken; by which means, the ascent or descent of the commencement of the new hypotheruse was determined.

WHEN the chain was extended in the coffers, it was fixed at one end to the drawing post, and from the other an $8\frac{1}{4}$ inch shell was suspended. The leading register head was then brought by the finger screw, so that some division might correspond with the arrow. Five thermometers were then put into the coffers, (one into each,) and there remained for some minutes, a cloth at the same time covering them. They were then taken out, and the mean temperature marked down. This was done to every chain, and a mean of each hypotheruse was afterwards taken, and the result served to determine the equation arising from expansion and contraction, for correcting the whole apparent length of the base.

EVERY thing having been prepared, the measurement commenced on the 14th October, and was completed on the 10th December: the particulars thereof will appear in the following table.

Observations for the Latitude of the southern extremity of the Base, and the Meridian at that point.

For the meridian, I observed the angle which the line made with the polar star when at its greatest western elongation; and computed its azimuth, at that time, from having the latitude of the place, and the apparent polar distance given—at that season of the year a double azimuth could not be taken in the night time, and my telescope had not sufficient powers to observe the star in the day time.

THE

Now, since the expansion of brass is different from that of steel; it follows, that when the measurement is made in a higher or lower temperature than that in which the steel and brass coincided, there will be an equation; which must be applied to the apparent measure of the chain, in order to bring it to the brass measure. I shall call this higher or lower temperature, the *temperature of measurement*.

After the steel chain has been reduced to brass measure, it may be found necessary to reduce the brass standard itself, to the *space* it would have measured, or extended over, in a higher or lower temperature. Let that be called the *standard temperature*. Now upon a slight examination of these, it appears that they will resolve themselves into three cases.

CASE 1st. When the standard temperature and the temperature of measurement are both *above* the temperature of coincidence.

Let the brass standard and steel chain coincide, when the thermometer is at 54° ; and let a space be measured by the chain at the temperature of n degrees, so that $n-54^{\circ}$ shall express the number of degrees above the temperature of coincidence, when the measurement is made. Now, the length of the chain at 54° was precisely a given number of feet, (we will suppose 100 feet,) by the brass scale. And since .00763 inches is the expansion of 100 feet of steel for one degree of the thermometer, it follows, that when the chain is applied at the temperature of n° it will extend over a space on the ground equal to

$100 + \frac{n-54^{\circ} \times .00763}{12}$ feet, if measured by the brass scale in the temperature of 54° .

So far as to the temperature of 54° when the brass and steel coincide; that is, when 100 feet of brass coincide with 100 feet of steel at that degree of temperature. But suppose it should be thought necessary to change the standard temperature to n° , the temperature of coincidence being still at 54° —that is to say, let the space above-mentioned be measured by the brass standard at the same temperature n° as when the chain

THE observations were made on the 3d, 14th, and 21st of December, at which times the apparent azimuths of the star were $1^{\circ}. 47'. 42''$, $1^{\circ}. 47'. 40+''$, and $1^{\circ}. 47'. 40-''$, leaving out the decimals of the seconds; and the mean of the angles made with the line and the star at those times was $2^{\circ}. 45', 50''$, $2^{\circ}. 45'. 20''$, and $2^{\circ}. 45'$; which, compared with the apparent azimuth, will give a mean of $57'. 40''$ nearly N. Easterly, which is the angle made by the line with the meridian.

IT

chain was extended over that space. Then, if the expansion of brass and steel had been the same, the space which measured

$100 + \frac{n-54^{\circ} \times .00763}{12}$ feet by the brass, when the thermometer stood

at 54° , will now measure $100 + \frac{n-54^{\circ} \times .00763}{12} - \frac{n-54^{\circ} \times .00763}{12}$ or

100 feet; by reason of the brass having increased $\frac{n-54^{\circ} \times .00763}{12}$ feet,

in 100 feet. But since 100 feet of brass expands .01237 inches for one degree of the thermometer, the space over which the steel chain extended at n° will measure by the brass standard

$100 + \frac{n-54^{\circ} \times .00763}{12} - \frac{n-54^{\circ} \times .01237}{12}$ feet: and, from a parity of

reasoning, if n° be not the temperature in which the space is to be measured by the brass standard, but s° which is therefore the standard temperature. Then the measurement reduced to that temperature will

give $100 + \frac{n-54^{\circ} \times .00763}{12} - \frac{s-54^{\circ} \times .01237}{12}$ feet, if measured at s° of

temperature.

CASE 2d. When the standard temperature and the temperature of measurement are both below the temperature of coincidence.

First, suppose the chain to be extended on the ground when the

thermometer is at n° so that $54-n^{\circ}$ shall express the number of degrees below the temperature of coincidence. Then, if that space be measured by the brass standard at 54° of temperature, it will be equal

330 ON EXTENDING A GEOGRAPHICAL SURVEY

It will appear, that there is a great difference in the above observed angles of the star with the N.
end

equal $100 - \frac{54 - n^\circ \times .00763}{12}$ feet; for the steel being contracted will evidently extend over a shorter space than it did at 54° by the quantity $\frac{54 - n^\circ \times .00763}{12}$ feet.

Next, suppose the brass standard to be reduced to n° or $54 - n^\circ$ below the temperature of coincidence. Then, had the expansion of brass and steel been the same, the space $100 - \frac{54 - n^\circ \times .00763}{12}$ feet, would now increase to $100 - \frac{54 - n^\circ \times .00763}{12} + \frac{54 - n^\circ \times .00763}{12}$ equal 100 feet by the brass scale, since that scale has contracted $\frac{54 - n^\circ \times .00763}{12}$ feet in 100 feet.

But 100 feet of brass will have contracted $\frac{54 - n^\circ \times .01237}{12}$ feet, and therefore the space in brass measure will be expressed by $100 - \frac{54 - n^\circ \times .00763}{12} + \frac{54 - n^\circ \times .01237}{12} = 100 + \frac{54 - n^\circ \times .01237 - 54 - n^\circ \times .00763}{12}$ feet, when the standard temperature is n° . But if the standard temperature be s° then the space will measure $100 + \frac{54 - s^\circ \times .01237 - 54 - n^\circ \times .00763}{12}$ feet, when measured by the brass scale at s° of temperature.

CASE 3d. Let the temperature of coincidence be *between* the standard temperature and the temperature of measurement.

1. Let the temperature of coincidence be 54° as before, and let the standard temperature be below 54° , so that $54 - s^\circ$ shall express the number of degrees below 54 for the reduction, and let n° be above 54, so that $n - 54^\circ$ expresses the excess of the temperature of measurement above that of coincidence, and $n - s^\circ$ the excess of the temperature of measurement above the standard temperature.

Now,

end of the base ; but that arose from the unfavourable weather in the mornings, at which time the telescope

Now, by Case 1st, the space over which the chain extends on the ground will be $100 + \frac{n-54^\circ \times .00763}{12}$ feet, compared with the brass scale at 54° . Had the contraction of brass been the same as that of steel, $100 + \frac{n-s^\circ \times .00763}{12}$ feet, would be the measure, by the brass scale at $54-s^\circ$ below the temperature of coincidence. But it has contracted more by $54-s^\circ + \frac{.01237-.00763}{12}$ feet in 100 feet ; and consequently the space which the chain extends over, at n° of temperature, will, at $n-s^\circ$ of temperature, measure, by the brass scale, $100 + \frac{n-s^\circ \times .00763 + 54-s^\circ \times .01237-.00763}{12}$ feet.

2. Let the standard temperature be above 54° , and the temperature of measurement below it.

Then, by Case 2d, the space over which the chain extends, is =

$100 - \frac{54-n^\circ \times .00763}{12}$ feet, measured by the brass scale at 54° .—And

$100 - \frac{s-n^\circ \times .00763}{12}$ feet would have been the measure at s° by the brass, had the expansion of steel and brass been equal. But the expansion of brass is more by $s-54^\circ + \frac{.01237-.00763}{12}$ feet. And there-

fore, if the space over which the steel chain extended, when the temperature was $54-n^\circ$ below the temperature of coincidence, be measured by the brass standard, when the temperature is $s-54^\circ$ above that of coincidence, the value of that space, in brass measure, will be $100 - \frac{(s-n^\circ \times .00763 + s-54^\circ \times .01237-.00763)}{12}$.

Hence, universally, if s° and n° denote as above, and s° temperature of coincidence, and $S =$ the space on the ground over which the steel chain

telescope of the circular instrument was directed to the flag staff.—It was intended to determine this angle, by having a blue light at the opposite end of the base, at the time that the star was at its greatest elongation; but, unfortunately, the weather became so unfavourable, that the star never made its appearance, for upwards of a fortnight—and as I was ready to move during all that time, I therefore determined to remain no longer at that station, but wait the event of more settled weather, which probably would happen before I had extended my operations very far, either to the eastward or westward of *Bangalore*. I therefore prepared to take angles at the most suitable places, and proceed to lay down the positions of the principal objects within the vicinity of *Bangalore*.

THE latitude of the South end of the base was obtained some time after, by observing, at a station North of *Bangalore*, which, with the two extremities of the base, formed a triangle. Those observations were made with the zenith sector on the 19th, 20th, and 21st of January, by taking the zenith distance of the star Aldebaran, whose declination was corrected

chain (whose length is 100 feet at t° of temperature) extends when the thermometer is at s° .—Then the formulæ for the different cases will be

$$\begin{array}{l}
 1. S = 100 + \frac{n - t^{\circ} \times .00763 - (s - t)^{\circ} \times .01237}{12} \\
 2. S = 100 + \frac{t - s^{\circ} \times .01237 - (t - n)^{\circ} \times .00763}{12} \\
 3. S = \left\{ \begin{array}{l} 1st. 100 + \frac{n - s^{\circ} \times .00763 + t - s^{\circ} \times .01237 - .00763}{12} \\ 2d. 100 - \left(\frac{s - n^{\circ} \times .00763 + s - t^{\circ} \times .01237 - .00763}{12} \right) \end{array} \right\} \text{ Feet,}
 \end{array}$$

If the chain should measure + or — any quantity (q) at the temperature t° from wear &c. then put $100 \pm q$ in place of 100 in each equation.

corrected for precession, nutation, and aberration, for those days—and, in order to correct the error of collimation of the telescope, the instrument was turned upon its vertical axis on the 21st, and the zenith distance taken on the opposite part of the arc.—The latitude determined by the observation made on the 19th was $13^{\circ}.00'.59.35''$, and by that on the 20th, $13^{\circ}.00'.58.72''$. N. On the 21st, when the sector was turned, the latitude was observed $13^{\circ}.00'.22.6''$, which will therefore give the mean $13^{\circ}.00'.40.6''$ N. From these it will appear that the error of collimation was $18.095''$.

THE latitude of that station being obtained, and also its distance from the south end of the base;—from knowing the angle which that distance made with the meridian, the distance on the meridian, between the station, and the point where a line falling from the southern extremity would cut it at right angles, was easily had, and the difference of latitude of the station and *that* point was computed, by allowing 60191 fathoms to the degree in latitude 13° .—And that gave $12^{\circ}.54'.6.6''$ for the latitude of the point of intersection on the meridian of the station.

THE perpendicular, falling from the south end of the base on the meridian, was then converted into minutes and seconds, by allowing 60957 fathoms (b) for the degree on a great circle perpendicular to the meridian, and from that and the co-latitude of the point of intersection, the latitude of the southern extremity of the base was determined to be $12^{\circ}.54'$.

(b) These measures have been determined by computing on the ellipsoid given by COL. WILLIAMS and CAPT. MUDGE, as resulting from their measurement of a degree perpendicular to the meridian in latitude $50^{\circ} 41'$ N. and of a degree on the meridian in the same latitude, as obtained from the measured arc between *Greenwich* and *Paris*.—The ratio of the diameters of that ellipsoid is nearly as 230 to 23,155.—The principles on which these computations are founded, with the most useful propositions relative to the ellipsoid, will be given hereafter, when the figure of the earth becomes the subject of investigation.

54'. 6, 4''. In these distances, I did not compute on the chords of the arcs, because the instrument I had in use was not sufficient for that purpose.

Experiments for determining the Expansion of the Chain.

IN making allowance for the expansion of the chain, in the annexed table, it will appear that I have differed both from GENERAL ROY and COLONEL WILLIAMS. It may therefore be necessary to give the following account of the experiments which were made for ascertaining that allowance,—which experiments were made by the chain itself, observing its length at sun-rise and at one o'clock, between which hours the base was generally measured.

AFTER the chain was extended in the coffers, in the manner formerly mentioned, it was carefully adjusted, at each end, to some particular marks on the register heads, about the hours of sun-rise. The finger screw of one of these brass sliders had been previously graduated into eight equal parts, on its circumference, which were counted, on its being turned, by another mark on the end of the slider, touching that part of the circumference. This finger screw was observed to make 26 revolutions in one inch, so that one of the divisions, on the circumference, was equal $\frac{1}{26}$ part of an inch. Things being thus adjusted, the experiments were made in the following order, and the mean temperature taken from three of the best thermometers I had, which remained the whole time in the coffers, with the chain; and these coffers were covered, in the same manner as they had been during the operations of the measurement.

DECEMBER 11th, at one P. M. the temperature was 95°.

DECEMBER 12th, at seven A. M. the mean temperature

perature was 58° , therefore 37° is the difference, or fall of the thermometer, since the preceding day.

THE chain had contracted 58 divisions on the micrometer screw, each of which being equal $\frac{1}{100}$ inches, therefore the whole expansion of the chain was $\frac{58}{100} = ,27884$ inches—and this divided by 37° gives ,00721 inches, the expansion of the chain due to one degree of the thermometer.

DECEMBER 13th, at half past six A. M. the mean of three thermometers was 56° which was 39° decrease of temperature since the preceding day at one o'clock P. M.—The chain had contracted 60 divisions—therefore $\frac{60}{100}$ divided by $39^{\circ} = ,007396$ inches.

AT one P. M. the same day, the temperature was 97° , and consequently the increase since morning was 41° . The chain had expanded 63 divisions, hence $\frac{63}{100}$ divided by 41 , gives ,0073853 inches.

DECEMBER 15th.—At seven A. M. the temperature was 62° , and at one P. M. 93° —and therefore the increase since morning was 31° . The chain had expanded 46 divisions, therefore $\frac{46}{100}$ divided by $31^{\circ} = ,00713$ inches.

DECEMBER 16th, at half past six A. M. the temperature was $51^{\circ},2$ which was $41^{\circ},8$ below the preceding day at one o'clock P. M. The chain had contracted 59 divisions, which proceeding as before, gives ,006786 inches.

DECEMBER 17th, at half past six A. M. the temperature was 56° , and at one P. M. it was 92° —whose difference is 36° .—The chain had 58 divisions, which will give ,00761 inches.

THE mean of all these being ,007253 inches, I have therefore made the expansion of the chain due to 1° of temperature above 62° to be ,0073 inches.

telescope of the circular instrument was directed to the flag staff.—It was intended to determine the angle, by having a blue light at the opposite end of the base, at the time that the star was at its greatest elongation; but, unfortunately, the weather became so unfavourable, that the star never made its appearance, for upwards of a fortnight—and as I was ready to move during all that time, I therefore determined to remain no longer at that station, but wait the event of more settled weather, which probably would happen before I had extended my operations very far, either to the eastward or westward of *Bangalore*. I therefore prepared to take angles at the most suitable places, and proceed to lay down the positions of the principal objects within the vicinity of *Bangalore*.

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chain (whose length is 100 feet at t° of temperature) extends when the thermometer is at n° .—Then the formulæ for the different cases will be

$$\begin{aligned}
 1 \text{ S} &= 100 + \frac{n - t^{\circ} \times .00763 - (s - t^{\circ} \times .01237)}{12} \\
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 3 \text{ S} &= \left\{ \begin{array}{l} \text{1st. } 100 + \frac{n - s^{\circ} \times .00763 + t - s^{\circ} \times .01237 - .00763}{12} \\ \text{2d. } 100 - \left(\frac{t - n^{\circ} \times .00763 + s - t^{\circ} \times .01237 - .00763}{12} \right) \end{array} \right\} \text{ Feet.}
 \end{aligned}$$

If the chain should measure + or - any quantity (q) at the temperature t° from wear &c. then put $100 \pm q$ in place of 100 in the equation.

ISMÁÍL, eldest son and nominated successor of *Imám* JÁFER, surnamed *Sádik*. They consider ISMÁÍL as the true heir of the *Imámet*, and do not acknowledge the legal succession of his brother MU'SÁ and of the five last *Imáms*. This sect flourished under the Egyptian dynasty of *Khalifs* founded by MUHAMMED MAHADÍ, who claimed descent from the *Imám* ISMÁÍL himself. It was also conspicuous under a dynasty of princes of this sect, the first of whom, HASAN SABAH, founded a principality in *Irák**. The sect may still exist in Syria, but it does not seem to be at present known in the Indian portion of Asia.

THE *Álilahiya*hs, on the contrary, are become numerous in India. This sect is mentioned by the author of the *Dabistán*, as prevalent in his time, only at *Uzbíl*, or *Azbál*, in the mountainous tract near *Khatá*. It now prevails, according to information which I have received, in a part of the dominions of NAWÁ'B NIZA'MU'L MULC. The singular tenets of this heretical sect are thus stated by MOHSEN FA'NÍ. "The *Áli-ilahiya*hs hold, that celestial spirits, which cannot otherwise be known to mankind, have frequently appeared in palpable shapes. GOD himself has been manifested in the human form, but especially in the person of ÁLÍ MURTEZA', whose image, being that of ÁLÍ ULLAH, or ÁLÍ GOD, these sectaries deem it lawful to worship. They believe in the metempsychosis; and, like others who maintain that doctrine, abstain from fleshmeat. They imagine, that ÁLÍ MULTEZA', when he quitted this earth, returned to the sun,

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which

* See the *Dabistán* of Mulla MOHSEN FA'NÍ; and D'HERBELLOT's *Bibliothèque Orientale*. If the industrious *Bíbrabs* and the remorseless "assassins" had really arisen out of the same sect, it would be a new fact in the history of the human mind.

54'. 6, 4''. In these distances, I did not compute on the chords of the arcs, because the instrument I had in use was not sufficient for that purpose.

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AFTER the chain was extended in the coffers, in the manner formerly mentioned, it was carefully adjusted, at each end, to some particular marks on the register heads, about the hours of sun-rise. The finger screw of one of these brass sliders had been previously graduated into eight equal parts, on its circumference, which were counted, on its being turned, by another mark on the end of the slider, touching that part of the circumference. This finger screw was observed to make 26 revolutions in one inch, so that one of the divisions, on the circumference, was equal $\frac{1}{26}$ part of an inch. Things being thus adjusted, the experiments were made in the following order, and the mean temperature taken from three of the best thermometers I had, which remained the whole time in the coffers, with the chain; and these coffers were covered, in the same manner as they had been during the operations of the measurement.

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DECEMBER 16th, at half past six A. M. the temperature was $51^{\circ}, 2$ which was $41^{\circ}, 8$ below the preceding day at one o'clock P. M. The chain had contracted 59 divisions, which proceeding as before, gives ,006786 inches.

DECEMBER 17th, at half past six A. M. the temperature was 56° , and at one P. M. it was 92° —whose difference is 36° .—The chain had 58 divisions, which will give ,00761 inches.

THE mean of all these being ,007253 inches, I have therefore made the expansion of the chain due to 1° of temperature above 62° to be ,0073 inches.

XI.

**On the ORIGIN and PECULIAR TENETS of
CERTAIN MUHAMMEDAN SECTS.**

By H. T. COLEBROOKE, Esq.

THE *Bóhrah*s, numerous in the provinces of the Indian peninsula, but found also in most of the great cities of *Hindustán*, are conspicuous by their peculiar customs; such, for example, as that of wearing at their orisons an appropriate dress, which they daily wash with their own hands. Their disposition for trade to the exclusion of every other mode of livelihood, and the government of their tribe by a hierarchy, are further peculiarities, which have rendered them an object of inquiry, as a singular sect.

RESEARCHES made by myself, among others, were long unsuccessful. My informers confounded this tribe with the *Ismáíliyahs*, with the *Alilahiyyahs*, and even with the unchaste sect of *Cherágh-cush*. Concerning their origin, the information received was equally erroneous with that regarding their tenets. But at length a learned *Sayyad* referred me to the *Mejálisu'l-múminín* composed by NURULLAH of *Shúster*, a zealous *Shiáh*, who suffered for his religious opinions in the reign of JEHA'NGI'R. In the passage, which will be forthwith cited from that work, the *Bóhrah*s are described by the author, as natives of *Gujrát* converted to the Muhammedan religion about three hundred years before his time, or five centuries ago.

To that passage I shall subjoin extracts from the same work, containing an account of similar tribes, with some of which the *Bóhrah*s may perhaps have been sometimes confounded. Concerning the *Ismáíliyahs*, for whom they have been actually mistaken, it must be remembered, that these form a sect of *Shiáhs*, who take their distinctive appellation from

ISMÁÍL, eldest son and nominated successor of *Imám* JÁFER, surnamed *Sádik*. They consider ISMÁÍL as the true heir of the *Imámet*, and do not acknowledge the legal succession of his brother MU'SÁ and of the five last *Imáms*. This sect flourished under the Egyptian dynasty of *Khalifs* founded by MUHAMMED MAHADÍ, who claimed descent from the *Imám* ISMÁÍL himself. It was also conspicuous under a dynasty of princes of this sect, the first of whom, HASAN SABAH, founded a principality in *Irák**. The sect may still exist in Syria, but it does not seem to be at present known in the Indian portion of Asia.

THE *Álīlahiyahs*, on the contrary, are become numerous in India. This sect is mentioned by the author of the *Dabistán*, as prevalent in his time, only at *Uzbíl*, or *Azbál*, in the mountainous tract near *Khatá*. It now prevails, according to information which I have received, in a part of the dominions of NAWA'B NIZA'MU'L MULC. The singular tenets of this heretical sect are thus stated by MOHSEN FA'NI'. "The *Álī-ilahiyahs* hold, that celestial spirits, which cannot otherwise be known to mankind, have frequently appeared in palpable shapes. GOD himself has been manifested in the human form, but especially in the person of ÁLÍ MURTEZA', whose image, being that of ÁLÍ ULLAH, or ÁLÍ GOD, these sectaries deem it lawful to worship. They believe in the metempsychosis; and, like others who maintain that doctrine, abstain from fleshmeat. They imagine, that ÁLÍ MULTEZA', when he quitted this earth, returned to the sun,

Z

which

* See the *Dabistan* of Mulla MOHSEN FA'NI'; and D'HERBE's *Bibliothèque Orientale*. If the industrious *Bóbrabs* and the nameless "assassins" had really arisen out of the same sect, it would be a new fact in the history of the human mind.

telescope of the circular instrument was directed to the flag staff.—It was intended to determine this angle, by having a blue light at the opposite end of the base, at the time that the star was at its greatest elongation; but, unfortunately, the weather became so unfavourable, that the star never made its appearance, for upwards of a fortnight—and as I was ready to move during all that time, I therefore determined to remain no longer at that station, but wait the event of more settled weather, which probably would happen before I had extended my operations very far, either to the eastward or westward of *Bangalore*. I therefore prepared to take angles at the most suitable places, and proceed to lay down the positions of the principal objects within the vicinity of *Bangalore*.

THE latitude of the South end of the base was obtained some time after, by observing, at a station North of *Bangalore*, which, with the two extremities of the base, formed a triangle. Those observations were made with the zenith sector on the 19th, 20th, and 21st of January, by taking the zenith distance of the star Aldebaran, whose declination was corrected

chain (whose length is 100 feet at t° of temperature) extends when the thermometer is at n° .—Then the formulæ for the different cases will be

$$\begin{aligned}
 1 \ S &= 100 + \frac{n - t^{\circ} \times .00763 - (s - t)^{\circ} \times .01237}{12} \\
 2 \ S &= 100 + \frac{t - s^{\circ} \times .01237 - (t - n)^{\circ} \times .00763}{12} \\
 3 \ S &= \left\{ \begin{array}{l} \text{1st. } 100 + \frac{n - s^{\circ} \times .00763 + t - s^{\circ} \times .01237 - .00763}{12} \\ \text{2d. } 100 - \frac{(s - n)^{\circ} \times .00763 + s - t^{\circ} \times .01237 - .00763}{12} \end{array} \right\} \text{ Feet.}
 \end{aligned}$$

If the chain should measure + or - any quantity q more or from wear &c. then put $100 \pm q$ in the equation.

corrected for precession, nutation, and aberration, for those days—and, in order to correct the error of collimation of the telescope, the instrument was turned upon its vertical axis on the 21st, and the zenith distance taken on the opposite part of the arc.—The latitude determined by the observation made on the 19th was $13^{\circ}.00'.59,35''$, and by that on the 20th, $15^{\circ}.00'.58,72''$ N. On the 21st, when the sector was turned, the latitude was observed $15^{\circ}.00'22,6''$, which will therefore give the mean $13^{\circ}.00'.40,6''$ N. From these it will appear that the error of collimation was $18,095''$.

THE latitude of that station being obtained, and also its distance from the south end of the base;—from knowing the angle which that distance made with the meridian, the distance on the meridian, between the station, and the point where a line falling from the southern extremity would cut it at right angles, was easily had, and the difference of latitude of the station and *that* point was computed, by allowing 60191 fathoms to the degree in latitude 15° .—And that gave $12^{\circ}.54'.6,6''$ for the latitude of the point of intersection on the meridian of the station.

THE perpendicular, falling from the south end of the base on the meridian, was then converted into minutes and seconds, by allowing 60957 fathoms (b) for the degree on a great circle perpendicular to the meridian, and from that and the co-latitude of the point of intersection, the latitude of the southern extremity of the base was determined to be 12° .

54'.

(b) These measures have been determined by computing on the ellipsoid given by Cassini's Map, as resulting from the meridian in the same latitude, and Paris.—

employing incantations. The king cast his eyes towards the corner of the apartment, and it so happened that there he saw a serpent; the minister's excuse appeared credible, and the king's suspicions were lulled.

"AFTER a time, the king himself secretly became a convert to the *Muslemán* faith; but dissembled the state of his mind, for reasons of state. Yet, at the point of death, he ordered, by his will, that his corpse should not be burnt according to the customs of the pagans.

"SUBSEQUENTLY to his decease, when SULTA'N ZEFER, one of the trusty nobles of *Sultán Fí'ruz SHAH*, sovereign of *Déhli*, conquered the province of *Gujrát*; some learned men, who accompanied him, used arguments to make the people embrace the faith, according to the doctrines of such as reverse the traditions*. Hence it happened, that some of the tribe of *Bóhrah*s became members of the sect of the *Sunnet*.

"THE party which retains the *Imámiyeh* tenets, comprehends nearly two thousand families. They always have a pious learned man amongst them, who expounds cases of law according to the doctrines of the *Imámiyeh*s. Most of them subsist by commerce and mechanical trades; as is indicated by the name of *Bóhrah*, which signifies merchant, in the dialect of *Gujrát*. They transmit the fifth part of their gains to the *Sayyids* of *Medíneh*; and pay their regular eleemosynary contributions to the chief of their learned, who distributes the alms among the poor of the sect. These people, great and small, are honest, pious, and temperate. They always suffer much persecution (for the crime of bearing affection towards the holy family) from the wicked murderers†, who are invested with public authority; and they are ever involved in the difficulties of concealment.

"THE

* The *Sunnis*, or orthodox sect.

† The orthodox.

"THE *Sadikiyabs* are a tribe of the faithful in *Hindustán*; pious men, and disciples of SAYYAD CABIRU'DDIN, who derived his descent from ISMA'IL, son of IMA'M JAFER. This tribe is denominated *Sadikiyabs*, by reason of the sincere [*sadik*] call of that *Sayyad*. Although that appellation have, according to received notions, a seeming relation to ABU'BECKR, whose partisans give him this title; yet it is probable that the sect assumed that appellation for the sake of concealment. However, no advantage ever accrues to them from it. On the contrary, the arrogant inhabitants of *Hind*, who are *Hindús*, being retainers of the son of the impious HIND*, have discovered their attachment to the sect of *Shiáhs*, and have revived against them the calumnies which five hundred years before they broached against the *Ismáiliyabs*. They maliciously charge them with impiety: such indeed is their antient practice. They violate justice, and labour to extirpate this harmless tribe. In short, they cast the stone of calumny on the roof of the name and reputation of this wretched people, and have no fear of GOD, nor awe of his Prophet †.

"IN short, nearly thirty thousand persons of this sect are settled in provinces of *Hindustán*, such as *Multán*, *Láhór*, *Déhlí*, and *Gujrát*. Most of them subsist by commerce. They pay the fifth part of their gains to the descendants of SAYYAD CABIR, who are their priests: and both preceptor and pupil, priests and laymen, all are zealous *Shiáhs*. GOD avert evil from them, and make the wiles of their foes recoil!

"THE *Házáreh*s of *Cábul* are an innumerable tribe, who reside in *Cábul*, *Ghaznín*, and *Kand'har*.

Z 3

Many

* Meaning HINDA' the mother of MAVIYEH.

† The author proceeds in a strain of invective against the *Sunnts*; especially against Mulla ABDULLAH of *Láhór*, who bore the title of MAKHDU'MU'LMULC. This, being superfluous, is here omitted.

Many of them are *Shiáhs*, and adherents of the holy family. At present, among the chiefs of the *Shiáhs*, is *Mirza SHA'DMA'N*, with whom the faithful are well pleased, and of whose incursions the * *Khárejis* of *Cábul* and *Ghaznín* bitterly complain.

"THE *Balóch* of *Sind*; many of these are devoted *Shiáhs*. They call themselves, and are called by all the faithful, *ALI's* friends. *Sayyad RA'JU'* of *Bok-hará* exerted himself in the guidance of this tribe; his descendants remain among them, and are occupied with the concerns of the sect."

* The word is here used as a term of reproach ; for its origin, as the appellation of a sect, see D'HERBELOT's *Bibliothèque Orientale*.

XII.

A summary ACCOUNT of the LIFE and WRITINGS of AVYAR, a Tamul Female Philosopher.

BY THE REVEREND DR. JOHN.

THE *Malabars*, or more properly the *Tamuls*, boast of having produced the celebrated AVYAR, one of their antient moral philosophers.

THIS Lady's writings contain good general ideas founded in the science of morality.

SHE was a *Polytheist*, and invokes the God SURAMANIEN, or PULLEYAR, the Son of SIVEN*, who is held by the Hindoos to be the protector of Learning and Science, as MERCURY was amongst the Greeks.

HER origin and birth, as well as the æra in which she flourished, are lost in fable.

SOME pretend she was a goddess, one of BRIMHA's wives, and had been guilty of a trespass, for which she had been driven from heaven to earth, where she was condemned to remain till she had performed sufficient atonement for her sin, by severe and long penitance. On earth she composed her moral writings, for the benefit of mankind, and particularly her youth. On account of her divine origin, she is therefore highly respected.

Z 4

OTHERS

* This appears to be an oversight of the learned author. SOOPRAMANIEN is the Hindoo God of war, called also CA'RTICE'YA (KARTIYA and SCANDA (compare As. Researches, Vol. I. p. 252, with Sonnerat's Voyage, Vol. I. p. 325, Octavo edition.) And POLLE'AR, or ARUESA, who is generally invoked at the commencement of every undertaking, is compared by Sir WILLIAM JONES to the Roman JANUS. He is said to be the eldest, and the former the second son of DEEVA. The *Kandaprianam*, quoted below, is probably the *Scānda-purāna*, as its name is written by CAPT. WILFORD. (As. Res. Vol. IV. 363.) Compare As. Res. Vol. I. p. 227, with Sonnerat's Travels, N. I. p. 323.

Note by the Secretary.

OTHERS take her to be one of the seven wise or moral philosophers, in whom the *Tamuls* glory as well as the antient Greeks, and with more reason, as they have four ladies in the number, and only three men. Their wonderful birth is related in the *Kandapranam*, of which I will give only a short extract.

THE female philosophers are AVYAR, UPPAY, VALLIE and URUVAY; and the male, the famous TIRUVALLUWER (whose writings contain good and elegant moral verses) ADIGAMAN and KAVVILER.

ALL these seven wise persons belonged to the same family, were of the same parents, but were educated by different charitable guardians. One in the royal palace by a king, the other in the hut of a basket-maker, another by a Bramin, another even by an outcast, and so forth, but at last they all turned out Sages; their birth was not less wonderful. Their fa-

ther was PERALI, and their grandfather VEDA^AMÖLI, both great saints and philosophers. The latter saw, once in the night, a bright star falling down, in a village inhabited by outcasts, upon a house wherein a girl was just born. By his prophetic power, he discovered that this girl would be one day married to his son PERALI, who was then a boy of twelve years of age, which made him very uneasy.

HE communicated his sorrow to his fellow Bramins, but in general terms only; he told them, that the girl born last night in the village of outcasts, under such wonderful circumstances, would entail numberless misfortunes on the Bramin cast in general; but he carefully concealed whatever had relation to his own son, since its disclosure would have excluded him from the cast.

THEY were all struck with terror at this sad prophecy, and they deliberated as to the disposal of the infant. The father was called, and informed of the unlucky destiny interwoven with his child, and he was asked which ought to suffer? his child, or the
reversed

revered cast of Bramins? The poor man answered very submissively; I deliver up my child entirely to you; do with her what you think proper. The child was brought, and her death was unanimously agreed upon. VEDA MÖLI alone withheld his consent from this barbarous decree, and, instead of the death of the child, proposed its removal to a distant place, where it might be left to its fate.

THEY listened to this advice, made a box, laid the child in, and put it in the holy river *Kāvēri*, leaving it to the destiny of the Deity. During this transaction, the old prophet ordered his son to go and look at the child before it was committed to the water, and see if he could discover any distinguished mark on her body. This he did, and returned with the answer, that the child had a very distinct black mark on her thigh. The matter was now dropt, and the old man died soon after, without further explanation on the subject.

WHEN the poor little Nayad was thus floating to a remote country, a Bramin was on a morning at the river, washing and performing his usual devotions and ceremonies. He saw the box coming on, and instead of finding a treasure, which he expected, discovered in it a new-born smiling girl. Having no children, though he had often prayed to obtain that blessing, he imagined his Deity had heard his prayers, and favoured him with this child. He put her to nurse, and provided for her education as his own daughter. Meanwhile young PERALI, having been well instructed in philosophy, began, after the example of his late father, to travel as a *Njani* to visit holy places, and to converse with saints and philosophers for his improvement.

ON these travels, he came accidentally to the house of that Bramin who had adopted the girl. The Bramin, finding him to be a fine well-informed youth, grew fond of his character and zeal in learn-
ing

ing, kept him several years in his house, and at last married him to the girl, who generally was supposed to be his own daughter. After they had lived happy together for a while, she once returned from her oblations, and on her changing her clothes, he was thunderstruck as it were at observing the mark on her thigh, and which discovered her low birth, of which she herself was ignorant. He hid from her his anxiety, but made inquiries at other Bramins, how his father-in-law had got this supposed daughter, and the whole secret was now disclosed to him.

Not choosing to quarrel with his father-in-law, or to appear ungrateful for the kindness and benefits which had been conferred, he was silent; but in a state of much distraction, he went away without taking leave, or saying any thing either to his father-in-law or to his wife. Both were much alarmed, and the father-in-law thinking his daughter had offended her husband, or was in some way the cause of his displeasure, ordered her to go after him, and either to reconcile and bring him back, or to follow him every where and stay with him. She obeyed, went after him, and used every possible means to persuade him to forgive her if she had offended him, and to be cheerful and return to his father's house. But he was immovable, answered not a single word, looked much confused, went on hastily, and endeavoured to escape from her sight. However, she followed him wherever he went, and stayed at every Choultry and Shettrum, where he passed the night, hoping that he at last would be prevailed upon to return with her. This continued for five days, and he, tired of her entreaties, in the night, watched when she fell asleep, and then he arose, left her and went away. When she awoke, she looked about, and observed with the greatest concern he was gone, and she herself quite deserted. She did not know what to do, and whither to go, nor did she venture to return to
her

her father, whose order she wished strictly to obey, and who might perhaps think she had killed her husband when she came back without him. In this deplorable situation, she wandered about in a neighbouring village, sighing and weeping; this was observed by a Bramin, who asked her the cause of her tears. She informed him of her sad misfortunes, and all the circumstances of her former life, so far as she herself knew them. At this he was greatly affected, bid her come to his house, and promised to take care of her as one of his own daughters. She came, and behaved in such a manner that she endeared herself to him and to all his other daughters, who treated her as a sister. When this good man died, he divided his great estate in equal portions, and she got so much that she built a Shettrum, wherein she passed her days religiously, and charitably treated the pilgrims and religious travellers who came to lodge there by night, with milk, rice, fruits, and all the victuals she could afford. At the same time she endeavoured to improve by them in knowledge and virtue, asked their advice, requested them to relate to her the circumstances of their lives; and did the same respecting her own life and adventures, her object in this being to pass the time in a mutually agreeable and useful manner. When she had continued so for several years, it happened that her husband came as a pilgrim to the same Shettrum, and was entertained by her in the same kind manner with which she received and entertained the other travellers:—Neither knew the other. When she related also to him her adventures, he was surprised to find his wife in this virtuous person, and that he himself had so great a share in what she related. He admired her virtue and faithfulness, but was greatly confused in his mind, feigning to fall asleep during her discourse, but passed the night in the utmost anxiety. Before sunrise he arose, took his stick and little bundle, and went off without saying a word.

which is the same with himself; and hence they call the sun ÂLI' ULLAH. This sect does not admit the authenticity of the *Korân*, as it is now extant: some pretending, that it is a forgery of ABUBECK'S, ÔMAR'S and ÔTHMA'N'S; others condemning it, simply because it was edited by the last mentioned *Khalif*. The members of this sect appear to vary in regard to some points of doctrine; but the leading and universal tenet of this sect is, that, in every age of the world, GOD is manifested in the persons of prophets and of saints; for instance, he was ADAM, and afterwards AHMED and ÂLI': and in like manner these sectaries believe in the transmigration of GOD into the persons of the Imâms. Some of them affirm, that the manifestation of the divine being, in this age of the world, was ÂLI' ULLAH; and after him, his glorious posterity: and they consider MUHAMMED as a prophet sent by ÂLI' ULLAH. When GOD, say they, perceived MUHAMMED'S insufficiency, he himself assumed the human form for the purpose of assisting the prophet*."

It does not appear from any satisfactory information, that the *Bôhrah*s agree with either of these sects, in deifying ÂLI', or in contesting the legal succession of the six last *Imâms*. On the contrary, the tribe is acknowledged to consist of orthodox *Sunnis*, and of true *Shiâhs*; but mostly of the last mentioned sect. These and other known circumstances corroborate the following account of that tribe as given by NÛRULLAH of *Shûster*, in the work before mentioned.

"THE *Bôhrah*s are a tribe of the faithful, which is settled chiefly at *Ahmedâbâd* and its environs. Their salvation in the bosom of religion took place about

* See the *Dabistân*, from which this account is abstracted.

about three hundred years ago, at the call of a virtuous and learned man, whose name was MULLAH ÂLI', and whose tomb is still seen at the city of *Cambáyat*.

"THE conversion of this people was thus conducted by him: As the inhabitants of *Gujrát* were pagans, and were guided by an aged priest, a recreant, in whom they had a great confidence, and whose disciples they were; the missionary judged it expedient, first to offer himself as a pupil to the priest; and after convincing him by irrefragable proofs, and making him participate in the declaration of faith, then to undertake the conversion of others. He accordingly passed some years in attendance on that priest, learnt his language, studied his sciences, and became conversant with his books. By degrees he opened the articles of the faith to the enlightened priest, and persuaded him to become *Muslemán*. Some of his people changed their religion in concert with their old instructor. The circumstance of the priest's conversion being made known to the principal minister of the king of that country, he visited the priest, adopted habits of obedience towards him, and became a *Muslem*. But for a long time, the minister, the priest, and the rest of the converts, dissembled their faith, and sought to keep it concealed, through dread of the king.

"At length the intelligence of the minister's conversion reached the monarch. One day he repaired to his house, and, finding him in the humble posture of prayer, was incensed against him. The minister knew the motive of the king's visit, and perceived that his anger arose from the suspicion that he was reciting prayers and performing adoration. With presence of mind, inspired by divine providence, he immediately pretended that his prostrations were occasioned by the sight of a serpent, which appeared in the corner of the room, and against which he was

At this she was highly surprised and affected, thinking she might have perhaps offended him, or not attended him well enough, and went therefore after him, asking, "Why do you go away so silent and troubled in mind?"—Have you taken perhaps any offence at me, or do you suspect my virtue?"—"Tell and forgive, if I have done any thing amiss unknowingly.—You go away just in the same manner as my husband when he left me." At this he could no longer refrain himself, he threw down his earthen vessels and bundle, and exclaimed, "Yes, I am thy husband! and thou art my wife. I have not left thee for any fault on thy side, but only for religious purposes. As thou hast remained so religious and faithful, I receive thee again, if thou wilt strictly do all that I shall order thee." Surprized and rejoiced at this happy discovery, she promised him solemnly to pay him the strictest obedience. From this time he carried her with him on all his travels, and had seven children by her, who became the above-mentioned philosophers. This was indeed no great wonder, as they were born with the gifts of speech and of wisdom. She was ordered by her husband to expose the children in the woods in the open air, leaving them to Providence, without nursing, or taking any farther care of the new-born infants.—This she obeyed implicitly, according to her solemn engagement, which she kept sacredly, though with inward reluctance, and the tender feelings of a mother. When she kissed and took leave of them, each began to speak and to comfort her.—One said to her, the Deity has formed me in thy womb, nourished me, and let me grow in it wonderfully till my birth: Dost thou now doubt that he will not provide for me further? Go, put thy trust in him, and follow his ways.—The second child said at her departure: God provides even for the frog in a stone, shall he do less for me? why art thou anxious for me?—be comforted and go.—The third replied to her: God

corrected for precession, nutation, and aberration, for those days—and, in order to correct the error of collimation of the telescope, the instrument was turned upon its vertical axis on the 21st, and the zenith distance taken on the opposite part of the arc.—The latitude determined by the observation made on the 19th was $13^{\circ}.00'.59.35''$, and by that on the 20th, $13^{\circ}.00'.58.72''$ N. On the 21st, when the sector was turned, the latitude was observed $13^{\circ}.00'.22.6''$, which will therefore give the mean $13^{\circ}.00'.40.6''$ N. From these it will appear that the error of collimation was $18.095''$.

THE latitude of that station being obtained, and also its distance from the south end of the base;—from knowing the angle which that distance made with the meridian, the distance on the meridian, between the station, and the point where a line falling from the southern extremity would cut it at right angles, was easily had, and the difference of latitude of the station and *that* point was computed, by allowing 60191 fathoms to the degree in latitude 13° .—And that gave $12^{\circ}.54'.6.6''$ for the latitude of the point of intersection on the meridian of the station.

THE perpendicular, falling from the south end of the base on the meridian, was then converted into minutes and seconds, by allowing 60957 fathoms (b) for the degree on a great circle perpendicular to the meridian, and from that and the co-latitude of the point of intersection, the latitude of the southern extremity of the base was determined to be $12^{\circ}.54'$.

(b) These measures have been determined by computing on the ellipsoid given by COL. WILLIAMS and CAPT. MUDGE, as resulting from their measurement of a degree perpendicular to the meridian in latitude $50^{\circ}41'$ N. and of a degree on the meridian in the same latitude, as obtained from the measured arc between *Greenwich* and *Paris*.—The ratio of the diameters of that ellipsoid is nearly as 230 to 23,155.—The principles on which these computations are founded, with the most useful propositions relative to the ellipsoid, will be given hereafter, when the figure of the earth becomes the subject of investigation.

Do not desire stolen goods.
Be not slothful in thy actions.
Keep strictly to the laws of the country.
Keep company with the virtuous.
Be not a scoffer.
Do not act against the custom of the country.
Make not others blush by thy speaking.
Do not love gaming.
What thou dost, do with propriety.
Consider the place where thou goest.
Do not walk about as a spy.
Do not speak too much.
Do not walk about like a dreamer.
Converse with those who are polite.
Endeavour to be settled at a fixed place.
Dedicate thyself to TIRUMAL, VISHTNOO.
Abhor what is bad.
Indulge not thy distress.
Save rather than destroy.
Speak not disrespectfully of the Deity.
Be on good terms with thy fellow citizens.
Do not mind what women say.
Do not despise thy ancestors.
Do not pursue a conquered enemy.
Be constant in virtue.
Have a regard for country people.
Remain in thy station.
Do not play in water.
Do not occupy thyself with trifles.
Keep the divine laws.
Cultivate what gives the best fruit.
Remain constantly in what is just.
Do thy business without murmur.
Do not speak ill of any body.
Do not make thyself sick.
Mock not those who have any bodily defect.
Go not where a snake may lie.
Do not speak of others faults.

Keep

Keep far from infection.
Endeavour to get a good name.
Seek thy livelihood by tilling the ground.
Endeavour to get the protection of the great.
Avoid being simple.
Converse not with the wicked.
Be prudent in applying thy money.
Come not near to thine adversary.
Choose what is the best.
Do not come near one who is in a passion.
Avoid the company of cholerick men.
Converse with those who are meek.
Follow the advices of wise men.
Go not into the house of the dancing girls.
Speak distinctly to be well understood.
Abhor bad lusts.
Do not speak falsely.
Do not like dispute.
Love Learning.
Endeavour to get a house of your own.
Be an honest man.
Live peaceful with thy fellow citizen.
Do not speak frightfully.
Do not evil purposely.
Be clean in thy clothes.
Go only where there is peace.
Love religious meditation.

End of the Moral Sentences given by AVYAR.

TRANSLATION of the KALWIOLUCKAM, or
RULES of LEARNING, by AVYAR.

The zealous study of sciences brings increasing happiness and honour.

From the fifth year of age learning must begin.

The more we learn the more understanding we get.

Spare no expence to learn reading and writing.

Of all treasures, reading and writing are the most valuable.

Learning is really the most durable treasure.

An ignorant man ought to remain dumb.

He who is ignorant of reading and writing, is indeed very poor.

Though thou should'st be very poor, learn at least something.

Of each matter endeavour to get a clear knowledge.

The true end of knowledge is to distinguish good and bad.

He who has learned nothing is a confused prattler.

The five syllables *Na ma si va yāh* contain a great mystery.

He who is without knowledge is like a blind man.

Cyphering must be learned in youth.

Be not the cause of shame to thy relations.

Fly from all that is low.

One accomplished philosopher is hardly to be met with among thousands.

A wise man will never cease to learn.

If all should be lost, what we have learned will never be lost.

He who loves instruction will never perish.

A wise man is like a supporting hand.

He who has attained learning by free self application, excels other philosophers.

Continue always in learning, though thou should'st do it at a great expence.

Enjoy

- Enjoy always the company of wise men.
 He who has learned most is most worthy of honour.
 What we have learned in youth, is like a writing cut
 in stone.
 Speak the *Tamul* language not only elegantly, but
 also distinctly.
 False speaking causes infinite quarrels.
 He who studies sophistry and deceit, turns out a
 wicked man.
 Science is an ornament wherever we come.
 He who converses with the wicked, perishes with
 them.
 Honour a moral master (tutor.)
 Speak slowly when thou conversest or teachest.
 He who knoweth himself is the wisest.
 What thou hast learned teach also to others.
 Learn in a proper manner, then thou wilt succeed in
 being wise.
 He who will be a tutor, must first have a well
 grounded knowledge.
 If one knows what sin is, he becomes wise.
 The wicked will not accept of instruction.
 Do not fix thy attention on vain women.
 Well principled wise men approach the perfection of
 the Divinity.
 Begin thy learning in the name of the Divine Son,
 (PULLEYAR.)
 Endeavour to be respected amongst men by learning.
 Let thy learning be thy best friend.
 Use the strongest intreaties where thou canst learn
 something, then wilt thou become a great man in
 the world.
 All perishes except learning.
 Though one is of a low birth, learning will make
 him respected:
 Religious wise men enjoy great happiness.
 Though thou should'st be one hundred years old,
 endeavour still to increase in knowledge.

Wisdom is firm grounded even on the great ocean.
Without wisdom, no where is there ground to stand upon.

Learning also suits old age.

Wise men will never offend any by speaking.

Accept instructions even from men of a low birth.

Do not behave impolitely to men of learning.

Poets require a great deal of learning.

The unwise only flatter others.

Seek honor, and thou shalt get it.

The virtuous are also tutors.

Wisdom is the greatest treasure on earth.

The wiser the more respected.

Learning gives great fame.

Learn one thing after the other, but not hastily.

A science in which we take no pleasure is like a bitter medicine.

Speak so that town and country people may understand thee.

Wise men are as good as kings.

Do not deceive even thine own enemy.

Hast thou learned much, communicate it also in an agreeable manner.

In whom is much science, in him is great value.

The present *Tamul* language does not equal the old*.

He that knows the sciences of the Antients, is the greatest Philosopher.

Truth is in learning the best.

Wise men are exalted above all other men.

True philosophy does not suffer a man to be put in confusion.

In proportion as one increases in learning, he ought also to increase in virtue.

The most prosperous good is the increase in learning.

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* This seems to indicate that AVYAR's writings are not of great antiquity.

He who has no knowledge knows not also the truth.

Wisdom is a treasure valued every where.

A good tutor is beloved over the whole world.

What we gain by science is the best estate, (inheritance).

Adore the Goddess SARASBADI.

The *Vedam* (sacred writings) teaches wisdom.

Speak and write for the benefit of the public.

He who speaks well and connectedly, is best understood by all.

If knowledge has a proper influence on the mind, it makes us virtuous.

End of the Moral Book KALWIOŁUCKAM, composed by AVYAR.

**TRANSLATION of the SMALL TAMUL BOOK
KONNEIVENDEN, written by the FEMALE
PHILOSOPHER AVYAR.**

Continual praise be to the Son of him, who is
crowned with the flower of Konnei (Poinciana
pulcherrima.)

Mother and Father are the first known Deity.

A good man attendeth religious service.

Without one's own house there is no where a good
lodging.

The estate of the wicked will be robbed by the
wicked.

Modesty is the best ornament of the fair sex.

If one maketh himself hateful to his fellow creatures,
he must entirely perish.

Exercise in writing and cyphering is most useful.

Obstinate children are like a poisonous draft.

Though thou art very poor, do what is honest.

Adhere chiefly to the only one constantly.

The virtuous will always improve in wisdom and
knowledge.

A wicked mouth destroys all wealth.

Seek wealth and money, but without quarrel.

Give in writing what shall stand fast.

A woman must attend herself best.

Even with thy nearest friends speak not impo-
lately.

Speak friendly even to the poor.

If one will criticise, he will find some fault every
where.

Speak not haughtily, though thou art a great man.

To pardon is better than to revenge.

What shall stand firm must have witnesses.

Wisdom

Wisdom is of greater value than ready money.
To be on good terms with the King is useful in due time.

A calumnious mouth is a fire in the wood.

Good advisers are hated by the world.

The best ornament of a family is unanimity.

What a senior says, must a junior not despise.

If thou cherishest passion, all thy merit is lost.

Get first the plough, and then look out for the oxen.

A moral life has a happy influence on the public.

Fighting and quarrelling bring misery.

Without practical virtue there is no merit.

Keep a proper time even for thy bed.

Be peaceful, give and be happy.

A merchant must be careful with money.

Laziness brings great distress.

To obey the father is better than prayer.

To honour the mother is better than divine service.

Seek thy convenient livelihood shouldst thou even do it upon the sea.

Irreconcilableness ends in quarrel.

A bad wife is like a fire in the lap.

A slanderous wife is like a devil.

Without the mercy of the Deity nothing will prosper.

He who squanders away even what he has not gained justly must perish at last.

In January and February sleep under a good roof.

Better eat by hard labour than by humble begging.

Speak not what is low even to thy friend.

Without a clean conscience there is no good sleep.

If the public is happy, all are safe.

Improvement in wisdom improves our veracity.

Seek a house where good water is at hand.

Deliberate first well what thou art going to begin.

The reading of good books will improve welfare.

Who speaks as he thinks is an upright man.
What we propose we must pursue with zeal.
We must not speak dishonestly even to a poor man
Dishonesty will end in infamy.
Laziness brings lamentations.
The fruit will be equal to the seed.
We cannot always drink milk, but must submit
the time.
An honest man does not touch another's property.
The name of a true great man will ever remain in
esteem.
Lies are as much as murder and robbery.
What honesty can be expected from low fellows?
Amongst relations civility is often neglected.
A mild temper is a beauty in women.
The meek are the happiest.
Keep thyself from all that is bad.
Wisdom is the direct way to Heaven.
Let thy fellow creatures partake in thy enjoy-
ments.
Where there is no rain, there is no crop.
After lightning follows rain.
Without a good steerer a ship cannot sail.
Who sows in time will have a good crop.
The precepts of the old ought to be cheerfully
observed.
Who keeps the proper time to sleep will sleep well.
The plough never will let one suffer want.
Live in matrimony and be moderate.
Who breaks his word loses his interest.
Abhor and fly from lasciviousness.
Gain by deceit will at last be lost.
If Heaven is not favourable nothing will prosper.
From impolite people honesty can't be expected.
The words of the haughty are like arrows.
A family ought to support their poor.
A great man must also have a great mind.
A good man will never deceive.

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If the Lord is angry, no man can save.
All the world shall praise God.
Sleep on a safe place.
Without religion is no virtue.

*End of the Moral Sentences called KONNEIVENDEN,
written by AVYAR.*

XIII.

ACCOUNT of the ST. THOME' CHRISTIANS on
the Coast of MALABAR.

BY F. WREDE', Esq.

ALTHOUGH the unexpected discovery of Christians on the *Malabar* coast, was a matter of the greatest surprize and satisfaction to the first *Portuguese* adventurers, who were equally enthusiastic to extend their military glory and conquests, as to propagate their religion among the infidels in the remotest quarters of the world; yet their exultation was temporary: for when upon nearer investigation they found that these Christians followed the Doctrine of NESTORIUS, and acknowledged, instead of the Pope, the Patriarch of that sect, residing in *Syria*, for their ecclesiastical supreme chief, they appeared in their eyes worse than infidels.

THEIR number must have been very considerable in the beginning of the 16th century, when the *Portuguese* became first acquainted with them, since they possessed about one hundred and ten churches, in the countries now subject to the *Travancore* and *Cochin* rajas: and at this present time, after the manifold persecutions, oppressions, and successive revolutions that have almost depopulated the whole coast, they are computed to amount to no less than 150,000 souls.

THEY are indiscriminately called *St. Thomé Christians*, *Nestorians*, *Syrians*, and sometimes the *Malabar Christians* of the mountains, by the *Portuguese* writers of that time, and by the subsequent missionaries from *Rome*. The most common name given to them by the *Hindoos* of the country, is that of *Nazaranee Mapila*, and more frequently *Surians* or *Suriance Mapila*.

THE *Portuguese* were fond of bestowing upon them the name of *St. Thomé Christians*, though this appellation does not appear to have been, or now to be, very common amongst themselves. It originates probably from the chief who settled the first colony of *Syrians* on the coast, and who was, according to their tradition, their first bishop and founder of their religion in these countries, and whose name was *MAR THOME'*. This is corroborated by the curious circumstance of their giving the name of *MAR THOME'* to every ecclesiastical chief or bishop of theirs, although his real name be *JOSEPH* or *ABRAHAM*, not improbably in compliment to their first bishop and founder, for whom they have still a religious veneration. His arrival and settlement on the coast, may perhaps on a future period be ascertained, with historical accuracy, to have taken place during the violent persecution of the sect of *NESTORIUS*, under *THEODOSIUS* the Second, or some time after.

BUT the bigoted *Portuguese* missionaries laid hold of this name to renew the story of the arrival and martyrdom of *ST THOMAS* the Apostle in *India*, who they pretended had converted a great number of idolaters on the coast of *Malabar*, and afterwards on the other side of *India*, as far as *Malliapoor*, now *St. Thomé*, where he suffered martyrdom: and as vestiges of Christianity were at the same period discovered in *China*, they made the same Apostle preach the Gospel in that remote region, and some carried the absurdity so far as to make him pass, some way or other, over to the *Brasils**. The *Malabar Christians*, they say, had a long time continued without ecclesiastical chiefs, or communication with the rest of the Christian world, till they found means to procure bishops from *Mosul* in *Syria*, who unfortunately

* Vide *Historia ecclesiaz Malab. eam Diamperitano Synodo*, page 345.

nately had been abettors of *Nestorius*, and through their means this abominable heresy has introduced amongst the Christians of *M*. Though this story is supported by no historical whatsoever, and evidently fabricated by some ed Roman Catholic writers, to serve the purposes of the times, and to vindicate in some manner the doctrine of the see of *Rome*, that the Gospel has been preached in every corner of the world, at the time when new worlds were discovered, in which it is evident that the Gospel could never have been promulgated, and others in which Christians have been found, who would not acknowledge the supremacy of the Pope, and who differed in the most substantial articles of faith from the Roman Catholics; yet this improbable story has a long time been asserted and repeated by even Protestant writers, as *BALDWIN* and *VALENTYN*.

ALL traditions and *Malabar* records agree, that the *Syrian* Christians, or *Nazaranee Mapilas*, have been known, and had been settled on the *Malabar* coast long before either the *Arabs* or the *Jews*.

COMMON tradition, which has even been admitted by the *Portuguese* writers of the 16th century, is probably on the foundation of written records in *Syrian* Language, which then existed, and afterwards all destroyed by the famous Archbishop *DE MENEZES* at the Synod of *Odiampar*, mentioned by *MAR THOME* as the first who introduced the Christian religion into *Malabar*. He is considered by the *Nestorians*, as their first bishop and founder, from whom they derive their name of *St. Thomas Christians*. His arrival may be placed towards the middle of the 5th century; since notice is taken by *COSMAS INDOPLEUSTES* [page 178-179] of Christians in the *Pepper Country* or *Malé*, who received their bishops from *Persia*, where the *Nestorian* patriarch of that time resided, who had first his seat

Select

Seleucia in Persia, afterwards at *Babylon*, and lastly at *Mosul*.

IN the *Malabar* histories [*Kerul Oodputtee*] the first mention of a *Syrian* colony of Christians is made in the reign of COCOORANGON PERUMAL, who probably lived in the 6th century; a wealthy *Syrian* merchant of the name of THOME CANNANEO, is said to have landed at *Cranganore*, where he was well received, and induced to settle by great privileges granted to him by the PERUMAL. He afterwards married two wives; one of the *Nair*, and one of some low cast, by whom he had a very numerous progeny, who after his death had great disputes about his inheritance. These were carried to such a degree that at last they were obliged to separate themselves: the sons by the *Nair* woman settling in the southern parts, and the others in the northern parts of *Malabar*—where their descendants for a long time preserved this mutual enmity, and would on no account intermarry: there is also still a common tradition amongst them, that they descend (at least those that are from *Syrian* origin) from four principal *Syrian* families, who had successively settled on the coast.

WE find again mention made of two *Syrian* or *Chaldean* bishops of the name of MAR SABRO and MAR BRODT, (or rather MAR SAPOR and MAR PEROS) at *Coilan*, about one hundred years after its foundation, where they were extremely well received by the *Raja*, and permitted to build a church, which was still extant when CABRAL first visited *Coilan*. The grants and privileges which they received from the *Raja*, were engraved upon copper-plates, which many centuries after were shewn to Archbishop DE MENEZES at *Tevalcäre*, (perhaps *Mavileare* *,) which are in all probability the very same that are now in possession of the Jews at *Cochin*.

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* Vide Historia Synodi Diamperitanæ, page 8.

ferent musical instruments playing before them, as also of flags of different colours carried before them, &c. They all wore swords and targets, and some of them had firelocks; they were great marksmen, and, from their eighth year, used to frequent their firing schools: husbandry and trade were their principal occupations, and, next to the *Bramins*, the *St. Thomé Christians* used to furnish the greatest quantity of pepper to the *Portuguese* cargoes.

THE girls were precluded from all inheritance, even if no sons were in the family; in which case the inheritance went to the next male cousin or uncle on the father's side. This singular law, which is so contrary to all *Malabar* customs, has unquestionably been imported from *Syria*, and serves as an additional proof of the *St. Thomé Christians* being originally *Syrian* colonies.

As to their religious tenets, they followed generally the doctrine of NESTORIUS.

THEY rejected the divine nature of CHRIST, and called the VIRGIN MARY, only the mother of CHRIST, not of GOD. They also maintained that the HOLY GHOST proceeded only from the Father, and not from the Father and Son.

THEY admitted no images of saints in their churches, where the Holy Cross alone was to be seen.

THEY had only three Sacraments, *Baptism*, *Eucharist*, and the *Orders*; and would not admit transubstantiation in the manner the Roman Catholics do. They knew nothing of purgatory, and the saints they said were not admitted to the presence of GOD, but were kept in a third place till the day of judgment.

THEIR priests were permitted to marry, at least once in their life. Their rite was the *Chaldaean* or *Syrian*.

THEY were married in the presence of their priests, who are called *Cassanas*, and the whole ceremony consisted in tying a string round the girl's neck, as is the common practice of all the different casts on the *Malabar* coast.

THE

THE *Cassanas* were not permitted to use the *Malabar* language in their churches, and in instructing the youth ;—but taught them in the *Chaldean* tongue.

THEY reckoned their Sunday from Saturday evening Vespers, till the first matin of Sunday, so that after sun-rise they might work again.

THIS was the happy situation of the *Nestorians*, or *St. Thomé Christians*, before the arrival of the *Portuguese* in *India*. Agreeably to the spirit of those times, and especially of that bigoted nation, one of their first endeavours was to win over those heretics to the *Roman* rite : every art and every resource was exhausted, especially during the reign of DON MANUEL, to reclaim those forlorn sons to the bosom of the church of *Rome* : but all peaceable and conciliatory means proved fruitless, though the sly jesuits had in some manner paved the way to an union, by mitigating the terms of their submission, under the supremacy of the Pope ; by instituting seminaries, in which the *Chaldean* language was taught to the young clergy ; and, above all, by translating the *Missal* and *Roman Catechism* into the same language, and distributing them amongst the *Syrian* Christians. Still they would not have succeeded, so stedfast did the *St. Thomé Christians* adhere to their heresy, had not at last open force been employed.

THE then Archbishop of *Angamalee* was a *Syrian* priest of the name of MAR JOSEPH ; and as neither bribes nor menaces could induce him to acknowledge the supremacy of the Pope, the Archbishop of *Goa* and the Viceroy at last arrested him, and sent him prisoner to *Portugal* : but he had the art to ingratiate himself with the Queen DONNA CATHARINA, and the rest of the Royal Family, whom he had made to believe, that he had since been convinced of the truth of the Catholic religion ; and that on his return he would bring about a re-union of his flock with the see of *Rome* ; so that in the year 1564 he was permitted to return, with orders to the Viceroy No-

sion of his see, when MAR JOSEPH⁷ returned to Europe, with his Diplomas from DONNA RINA. The consequence was an immediate division and the whole *Malabar Christians* divided themselves into two parties, one adhering to MAR JOSEPH and the other to MAR ABRAHAM. But MAR JOSEPH being supported by the whole power of the *Portuguese* government, he soon got the better antagonist, whom the Rajas of *Cochin*, and the King received orders to seize, and to deliver to the Governor-mandant of *Cochin*, in order to be sent to Europe. The vessel on board of which he was, happened to touch at *Mosambique*, he found means to escape, and to reach *Babylon* over land; instead of returning to *Malabar*, he resolved to go on his own accord to *Rome*, where he did not fail to captivate the mind of Pope PIUS IV. in such manner, that his recantation of the *Nestorian* heresy was gladly received, and himself newly ordained Bishop, consecrated and loaded with the highest ecclesiastical dignities; though amongst his papers were found afterwards a protestation of his stedfast adherence to his former Doctrine, the abjuring of which, was the only resource to save his life. He wrote several letters to the same effect to *India*, and

the *Portuguese* government, continued to govern his flock after the tenets of NESTORIUS, and to prevent rather than to promote a re-union with the Roman Catholics: so that a new order for his imprisonment was issued in the year 1567. He was a second time transported, first to *Portugal*, and afterwards to *Rome*, where he likewise contrived to make his peace with the Pope: but before he could undertake a new voyage to *India*, he died at *Rome*, on the eve of being made a cardinal.

MAR ABRAHAM had in the mean time arrived at *Goa*; with new authority, and with brevets from the Pope; but the famous Archbishop DE MENEZES, on examining them, pretended that MAR ABRAHAM had deceived his holiness, and took upon himself to confine him in a convent, from which, however, he soon found means to make his escape, and to reach *Angamalee* over land, where he was received with uncommon exultation by all the *St. Thomé Christians*; and from dire experience he learned to take now such precautions that he put it out of the power of the Viceroy to get a third time hold of his person; and, after some fruitless attempts, he was effectually left in quiet possession of his see till his death: but at the same time the most vigorous measures were taken by the *Portuguese* government, that no *Syrian* priest might in future find his way to the *Malabar Christians*. As they were then masters of *Ormuz*, and the whole navigation on this side *India*, it is not surprising that they succeeded in preventing all intercourse between the *Nestorian* Patriarch at *Babylon* and the *St. Thomé Christians* at *Angamalee*. They stand even accused of having drowned a new *Syrian* Bishop in the year 1644 in the road of *Cochin*. Repeated orders were also sent from *Rome*, not to allow, after MAR ABRAHAM's death, that another Archbishop of *Syrian* extraction should be nominated: MAR ABRAHAM died about the year 1597, in a very advanced age, professing to the last moment of his

life his adherence to the *Nestorian* church, abhorrence of the tenets of the Popish religion. The Archbishop of *Goa*, MENEZÉS, immediately ordered a Jesuit, FRANCISCUS ROZ, to fill the vacancy of *Angamalee*; but to no effect, for he was not acknowledged nor admitted by the *St. Thomians*, who had previously elected a priest of their own of the name of GEORGE for their Archbishop, till a new metropolitan could be procured from *Babylon*.

MENEZÉS resolved now to visit in person the *labar Christians*, and to try if by his personal influence he could bring about a sincere and re-union. The appearance of a man of his birth, wealth, and power, as primate of *India*, together with the zeal, devotion, and great virtue, was decisive. The forlorn GEORGE, at first every evasion and subterfuge that his sagacity and his great attachment to his sect could suggest, in order to gain time for a new Bishop to arrive from *Babylon*, who might be able to meet MENEZÉS upon equal terms: but no bishop from *Babylon* did or could make good his voyage to *India*. MENEZÉS was indefatigable, bold, persevering, and lavish of his wealth; and had all the petty tyrannies of that time at his command. He appointed a mock council or synod at *Odiamper*, in the year 1599, where he assembled of the *Syrian* priests or *Cassanas*, and four from each village; and after some shew of devotion, and explanation of the controverted tenets of the church of *Rome*, he proceeded to dictate to them, there being not a person of sufficient authority, or of consideration and influence enough among the *Cassanas*, who could dare to oppose MENEZÉS, and to appearance the *Nestorians* of *Malabar* united to the *Roman church* *.

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* We cannot sufficiently lament the great loss which literat

MENEZES appointed Roz a second time Archbishop of the *Syrian Christians*; who, instead of *Angamalee*, took now his residence at *Cranganore*; and, since that time, a great part of the *St. Thomé Christians* remained united with the *Roman* church, and were governed by the successors of Roz, under the title of Archbishop of *Cranganore*.

THIS re-union of the *St. Thomé Christians* to the see of *Rome* was, however, neither general nor sincere and lasting: for, a short time after, some *Maronites*, or *Nestorian* priests, found their way to the mountains of *Travancore*, where they revived the old doctrines and rites, and ever since kept up their communication with the *Jacobites*, *Maronites*, and *Nestorians* of *Syria*. At present there are thirty-two churches of this description remaining, which are called Schismatic *Syrians* by the *Portuguese* and *Roman* clergy. They have a Bishop, or *MAR THOMÉ*, who resides at *Narnatte*, about ten miles in land from *Porcà*; and was consecrated by some *Jacobite* Bishops sent from *Antiochia* for that purpose in the year 1752. He adheres more to the doctrine of *EUTICHES* than of *NESTORIUS*.

ABOUT 84 of the old *St. Thomé* churches remain united to the *Roman Catholic* religion, and are governed by the Archbishop of *Cranganore*, or, as he used to style himself, the Archbishop of the *Malabar Christians*

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tained on that occasion; for this blind and enthusiastic inquisitor, destroyed, like a second *OMAR*, all the books written in the *Syrian* or *Chaldean* language, which could be collected, not only at the Synod of *Odiampur*, but especially during his subsequent circuit; for as soon as he had entered into a *Syrian* Church, he ordered all their books and records to be laid before him; which, a few indifferent ones excepted, he committed to the flames; so that at present neither books nor manuscripts are any more to be found amongst the *St. Thomé Christians*.

Christians of the Mountains. Since the death of the last Archbishop, the Government of Goa, who had formerly the nomination, thought proper to appoint only a Vicar General, who resides at present at *Pecoliporte*. He is a native of *Malabar*, of *Syrian* extraction, of the name of THOMÉ ENAMAKEL. The united *St. Thomé Christians* retain only the peculiarity of the *Chaldean* language being still used in their churches, for which they are furnished with the necessary books, from the *Congregatio de propaganda fide*: printed at Rome '714, under the title, *Ordo Chaldaicus Missæ Beatorum Apostolorum juxta ritum ecclesiæ Malabaricæ*, and *Ordo Chaldaicus rituum et Lectionum juxta morem ecclesiæ Malabaricæ*. Rome 1775.

THE *St. Thomé* or *Syrian Christians*, of both descriptions, never claimed the particular protection of either the *Portuguese* or *Dutch*, as the new Christians do, but considered themselves as subjects of the different Rajas in whose districts they lived; and as long as the old Hindoo system, and the former division of the country, under a variety of petty Rajas, was preserved, they appear to have enjoyed the same degree of freedom, ease, and consideration, as the *Nairs*. But when the Rajas of *Travancore* and *Cochin* had subjected to themselves all the petty Rajas and chiefs whose respective territories were situated within the lines of *Travancore*, they also overturned the whole political system established by CHERUMA PERUMAL; and by setting aside the immunities and privileges of the higher casts, they established a most oppressive despotism, in the room of the former mild limited Oligarchy: and we ought not to be much surprised to behold the present wretched situation of those formerly so flourishing *Syrian* villages, since we see the *Bramins* and *Nairs* strip of most of their old

old prerogatives, and subject to almost the same oppressions and extortions.

THE NEW OR PORTUGUESE CHRISTIANS.

THEY consist of that race of new converts, whom the *Portuguese* made mostly from the lowest casts along the sea shore, where they built a great many churches; which, in distinction from the *Syrians*, are generally called the *Latin* churches. They consider themselves not as subjects of the different *Rajas* in whose territory they reside, but enjoyed formerly the protection of both the *Portuguese* and the *Dutch* governments, to a great extent. They acknowledged only their jurisdiction in civil and criminal matters, and paid no taxes to the native princes. This exemption they maintained, in some manner, till the year 1785, when Mr. VAN ANGELBECK, then governor of *Cochin*, saw no other remedy to save at least part of their privileges from the daily increasing power of the *Raja* of *Cochin*, but to enter into a new written agreement with the *Raja*; in conformity to which they were to pay a certain stipulated sum yearly to the *Raja*, which should be collected by their own head people; and in case of delays or failure, the *Dutch* government was to enforce payment, and not the *Raja*. Another article defined the jurisdiction which the *Dutch* should still exercise over them. But even these stipulations, the *Raja* did not long nor scrupulously adhere to, till at last he went so far as to turn a great part of them fairly out of his dominions, by obliging them to accept some trifling consideration for the landed estates which they were compelled to abandon, and the rest he treated, if possible, more severely than his own Hindoo subjects.

THE number of these Christians who consider themselves as under the protection of the Fort of *Cochin*, is computed to amount to about 36,000.

IN ecclesiastical matters they were formerly subject to the *Portuguese* bishop of *Cochin*, whom the *Dutch* expelled as soon as they got possession of the Fort. Thence he went to fix his residence at *Coilan*, retaining, however, his former appellation of Bishop of *Cochin*, and a great part of his former ecclesiastical jurisdiction over all the churches that were not under the immediate controul of the *Dutch*. His successors continue to preside over the same diocese, which extends as far as the *Cavery* river, on the other coast, including the Island of *Ceylon*; comprehending more than 100 churches of the new or *Latin* Christians.

WHEN, for political reasons, the *Dutch* had expelled the *Portuguese* Bishops from *Cochin*; in order that the churches, which were now under their immediate protection, should not remain without an ecclesiastical chief, they applied to the see of *Rome* for a new Bishop, who would be under their controul, and whom they could better trust than a vassal of *Portugal*. The Pope, in compliance with their wishes, sent out a Carmelite Friar, with episcopal powers, under the name of *Vicar General*, and the States General granted him a diploma to that purpose in the year 1698.

THEY made it however an express condition with the Pope, that he should appoint no *Vicar General* who was not by birth either a *German*, *Dutchman*, or *Italian*; the company reserving to themselves the right of rejecting him if they have any exception against his person; and that in general, he must consider himself as subject to the Company's orders.

His paltry allowance of about 400 *rupées* per annum,

annum, is paid by the *Congregatio de propagandâ fide*, and his residence is at *Varapoly*, in a convent of his own order, which is also supported by the *propaganda*.

His diocese extended formerly as far as the political influence of the *Dutch* could reach, and with the gradual decline of their power he also lost successively the greatest part of his churches; which returned either under the *Portuguese* bishop of *Coilan*, or the *Vicar General* of the *Syrian* churches brought over to the *Latin* rite; so that at present only fourteen churches remain under his episcopal jurisdiction.

THE ruins of an old *Syrian* or *Nestorian* church are still extant, on a rising ground at the eastern extremity of the village of *Coorty*, two miles distant from *Ramiseram Gate*, on the high road leading to *Trichoor*. It was the first Christian temple that *TIPPoo's* bigoted fanaticism doomed to destruction, after his successful storm on the too extensive and feeble barrier, the *Travancore* lines, in 1790; from whence a general conflagration of all Hindoo temples and Christian villages, with their churches, marked the progress of the destroying host, as far as *Varapoly*, and in the space of three days, thirteen large, and in many respects handsome piles of building, were laid in ruins.

ALMOST all temples belonging to the *St. Thomé Christians* in the southern *Malabar*, of which I had occasion to observe more than forty, were built in the same style, and nearly upon the same plan. The façade with little columns, (evidently in imitation of the style of architecture prevalent in *Asia Minor* and *Syria*, from which the Christian religion, and with it the model of their temples, appears to have been transplanted into *Malabar*;) being every where the same; only that those belonging to the old *Nestorians* or *Schismatics* have preserved their ancient simplicity,

plicity, and that the fronts of such as adopted afterwards the *Latin* rite, and acknowledged the supremacy of the *Roman* see, are decorated with Saints in niches or basso-relievos, and that some of the most conspicuous had an arched choir.—The largest Christian temple was at *Alangadce* or *Mangatte*, five miles from *Paroor*, and to judge from the present ruins, it must have been a very handsome and noble structure. At *Angamalce*, the seat of the *Syrian Metropolitan*, there were not less than three spacious temples, not inferior to the specimen exhibited in the ruins of *Coorty*. But they have all been converted into heaps of ruins, by the destroying hand of the *Mysorean* invader, as was also the neat church and college built by the Jesuits at *Amblagatte*.

THE great number of such sumptuous buildings as the *St. Thomé Christians* possessed in the inland parts of the *Travancore* and *Cochin* dominions is really surprising; since some of them, upon a moderate calculation, must have cost upwards of one lack of rupees, and few less than half that sum. How different must have been the situation of this people in former times, in comparison with the wretched condition in which we behold them at present! scarcely able to erect a cadjan shed for their religious meetings over those splendid ruins, that attest at the same time their former wealth and present poverty. In the same proportion that their opulence decreased, their population appears also to have diminished. *Alangada* contained, before the year 1750, more than a thousand Christian families, who lived in substantial houses, of which the ruins are still extant, and bear evidence to the fact. Of these families not full one hundred are now remaining, and them I found in the most abject state of misery. The same melancholy contrast is observable at *Angamalce*, and many other formerly opulent christian towns and villages.

THEIR

THEIR pristine flourishing condition, and even opulence, however, can easily be accounted for. The bulk of the *St. Thomé Christians* consisted mostly of converts from the *Bramin* and *Shoudren* cast; and not, as the new Christians, or proselytes made by the *Portuguese* missionaries, of the lowest tribes: and as the introduction and propagation of the Christian religion, by the *Syrian* adventurers, probably so early as the fifth century, gave no umbrage to the PERUMALS, who, at that period, governed *Malabar*, these converts were allowed to retain their patrimonial estates with equal security, and exemption from taxes, as the indigenous *Bramins* and *Nairs*. For, under the ancient mild Hindoo government, and even in modern times, till HYDER ALLY made his first irruption, imposts on landed property were unknown in *Malabar*. The *St. Thomé Christians* possessed, in addition, another source of wealth, which was trade. They were, in fact, the only, at least the principal merchants in the country, till the *Arabs* settled on the coast; and they continued in a flourishing situation, till towards the middle of the present æra, when the Rajas of *Travancore* and *Cochin* overturned the whole system and laws established by the celebrated CHERUMA PERUMAL, and after dispossessing the independent Rajas of *Paroor*, *Alangada*, *Tekencoor*, *Waduakencoor*, *Porka*, *Coilan*, *Callicoilan*, and many other petty *Nair* chiefs, under the name of CAYMALS, who formed the states of the country, and were long a strong barrier against the attempts at absolute power by the Rajas; they divided into unequal shares the whole of the conquered countries, of which the Raja of *Travancore* appropriated to himself by far the greatest part, and introduced the present oppressive system of government; if that can be called such, which is in fact an injudicious imitation of the late *Mysorean* system of finances; without the order, regularity, and in some manner

manner impartial administration of justice, which is necessary to support it, and without which it must unavoidably degenerate into endless and generally destructive schemes of extortion and rapine, that soon or late must bring such unhappy countries, let their natural resources be ever so great, to the lowest state of wretchedness; as is already the case both in the *Travancore* and *Cochin* dominions.

Note on KEROL OODPUTTEE, page 367.

Several copies of this valuable historical monument are in the possession of the writer of this, of which he purposes to publish a free translation at some future period. The name given to these annals of *Malabar* is differently spelled and explained; some call it *Keralapatty*, which means the common-wealth of *Malabar* or *Kerala*, (the *Sanscrit* name for *Malabar*;) others write *Keralawilpatty*, and translate it Historical account or description of *Kerala*, which is the original name to the low country, and still used in *Sanscrit*: for the hill country had existed long before, and was known under the name of *Mala* or *Mallean* the hill country, but in the lapse of time the name of *Mallam* prevailed, and was applied to both the hilly and the low country, and the name of *Kerala* became obsolete.

XIV.

ACCOUNT of an hereditary living DEITY, to
whom devotion is paid by the BRAMINS
of POONA and its neighbourhood.

BY CAPTAIN EDWARD MOOR.

THE opportunity afforded me of visiting the city of Poona, with the embassy in 1800, I eagerly embraced, to obtain information respecting an extraordinary family, which enjoys the distinction of an hereditary incarnation of the divinity, from father to son; and the following is the result of my researches. My opportunities for inquiry were favourable, and I consider my authorities tolerably good; but I think it necessary to premise, that I do not pledge myself for the minute veracity of every particular.

MOORABA GOSSEYN was a *Bramin* of Poona, who by abstinence, mortification and prayer, merited, above others, the favourable regards of the Almighty. GUNPUTTY, the most common name in this country, among the many hundreds of SREE GANESA, accordingly vouchsafed to appear to him, at *Chinshoor**, in a vision by night; desired him to arise, and bathe; and while in the act of ablution to seize, and hold sacred to the godhead, the first tangible substance that his hand encountered. The God venerated that a portion of his Holy Spirit should invade the person thus favoured, and be continued

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This town is also called *Chicoor*, *Chicoree*, or *Chintijwur*; the latter is perhaps the most correct orthography.

as far as the seventh generation, to his seed, who were to become successively hereditary guardians of this sacred substance, which proved to be a stone, in which the God was to be understood as mystically typified. This type is duly revered, is carefully preserved, and hath ever been the constant companion of the sanctified person inheriting with it the divine patrimony.

THIS annunciation happened about the year A. D. 1640. and six generations have since passed away.

It doth not now appear what was the precise extent of the divine energy originally conceded; but it is inferred to have been a limited power of working miracles. Such as healing sickly uncleannesses, granting to a certain degree the desires of pious supplicants, and the faculty of foretelling, under some restrictions, the events of futurity.

THESE gifts appear, indeed avowedly, to have been enjoyed in a more extensive degree by the first possessors, than by the latter.—The *Bramins* admit that the farther the remove from the favoured man in whom the God became incarnate, the greater is the chance of degeneracy; although such degeneracy might not have been inevitable. It is therefore presumable that the early inheritors worked more conspicuous miracles than have of late been manifested.—Some remains of supernatural power have, however, been remarked, as will be noticed, in the existing incumbent, GABAJEE DEO.

THE holy inheritance has thus descended.

MOORABA GOSSEYN had but one son, CHINTO MUN DEO (the 1st) at the time of the visitation; and as he immediately became *Sunna-assee*, he had of course no other; to him about the year 1650, fell the godly estate. His eldest son NARRAIN DEO succeeded, and after dispensing his miraculous energies twenty-five years, died, leaving them to CHINTO MUN

MUN DEO (the 2d). His eldest son DURNEE DURR DEO succeeded, and died about the year 1770, from which period his first born, GABAJEE DEO has possessed, with its sanctified accompaniment, the guardianship of the sacred stone.

THE divine donation was covenanted to continue but for seven generations:—whence, on the demise of BAWA DEO, the present heir apparent, to whom in the fulness of time it will descend, the holy incarnation, unless perpetuated by farther miracles, will, as an emanation from GOD, be absorbed in him.

IT doth not appear that every DEO (by which title the representative of this family is always called) hath performed miracles. One is mentioned of the original founder of this incarnate godhead, if it may be so called, which produced the first worldly possession of the family.

SOON after his visitation, and while in great poverty, he was passing by *Panowla*, a town near *Chinchoor*, the *Pataleen** of which place having been many years married, without male issue, despaired of ever obtaining that blessing. She implored and obtained the holy man's prayers, and her pious desire, and in token of her gratitude, bestowed on him the produce of a field, situated near *Panowla*, of the annual average value of three hundred rupees. With this a temple was endowed, at *Chinchoor*, which still enjoys the grateful gift, and had not for many years any other secular estate.

No miracle, that I have heard of, is recorded of the next legatee.

NARRAIN DEO, the third in lineal ascent from the present DEO, performed a more important and conspicuous miracle. It was in his time that the *Mogul* army of *Hydurabad* so successfully invaded the *Maratta*

* *Patel's* wife.

Maratta territories. After plundering and burning *Poona*, a party proceeded to *Chinchoor*, to lay it under contribution. To this the *Deo* pointedly refused to submit; confiding in the divine influence wherewith he was invested. The intolerant *Muslimans* derided such superstition; and with the view of rendering it ridiculous, offered to send a *nuzur* to the *Deo*. The offer was accepted, the *Deo* betook himself to prayers, and the insulting bigots deputed certain persons, accompanied by many voluntary attendants to see the humorous result, with a ceremonious and apparently decorous and appropriate present. It, however, consisted solely of cow's flesh, and when the offensive obtruders promised themselves their sport, at the first exhibition of so horrid an abomination, how were they astonished and dismayed at uncovering trays of the finest and most sacred of Hindoo flowers!

STRUCK with the miracle, "those who went to scoff, remained to pray," and refraining from farther indecency, recognised the finger of GOD.

So unequivocal an interposition of supernatural power wrought on the unyielding minds of the *Muslimans*; and to expiate their offence, a grant was soon after made by them, of lands, towns, &c. situated in the *Moghul* territories, and not their recent conquests, although not far from *Chinchoor*, of the yearly value of twenty-seven thousand rupees, which the temple enjoys to this day.

A farther grant of *enaaam* lands about *Chinchoor*, of thirteen thousand rupees per annum, was made, at different times, by a late *Peshwa*, on what account, whether miraculous or not, I do not learn. The *Bramins*, however, admit such donations to be in themselves miracles; the generous impulse being from divine inspiration. These three grants the temple still enjoys, and they constitute its permanent revenue

revenue.—The expences attending the charitable works of the Deo, such as supporting sacred establishments, feeding and nourishing *Bramins*, and holy and poor people, have amounted of late years, it is averred, on an average, to a *lak*h of rupees : Part of this is made up by the casual presents made by pious visitants, according to their faith, hope, or charity, but doth not amount, in general, to more than five thousand rupees ; and the deficiency, of more than half a *lak*h, is therefore acknowledged to be miraculously acquired.

I WILL digress a moment here to observe, that it is not a very uncommon circumstance for a holy man professing poverty, and without the apparent means of gaining a rupee, and rejecting all offerings, to disburse thousands of rupees monthly with a very lavish hand. A convenient personage of this description resides in *Moorgoor*, a town twenty-five miles northerly from *Darwar*—MR. UHTHOFF and I were there in 1792, but did not then know of this miraculous prodigality, as it is reputed to be.

PRESENTS are made in kind to the Deo of *Chinchoor* : cultivators of land bring him grain, manufactures, cloths, &c.—the rich bring money and what they please. These are laid up in store-houses, after being registered by the servants of the temple, to which are attached a *dewan*, *chobdars*, *accountants*, &c. &c. all *Bramins*, as is every individual about the Deo ; his palkee bearers on a journey only excepted.

HOWEVER meritorious and honourable it may be deemed to be employed, even menially, about the sanctified person of the holy man ; carrying the same a journey is rather too laborious and unprofitable a service for *Bramins* to undertake voluntarily. Where priests are the task-masters, it were unreasonable to expect that they, more than others, would allot the severest to themselves.

THE DEO is, *ex officio*, what is called a *dewanna*—but the term “fool,” may not in this instance, as in most others, give the best translation of the word. He is totally unmindful and ignorant of worldly affairs—unable, they say, to hold conversation beyond the proposition, reply, and rejoinder, and then in a childish blubbering manner. To some questions on points of futurity he replies, accordingly as he is inspired, in pointed negatives or affirmatives; to others enigmatically, or by benignant or indignant gesture; sometimes he is totally silent, and, apparently absorbed in abstract cogitation, doth not recognize the suppliant. From such *data* is deduced how propitious, or otherwise, is the almighty will on the pursuits of the petitioner.

THE ordinary occupations of the DEO. do not differ materially from those of other holy men—he eats, takes wives to himself, &c. &c. like other *Bramins*, but by some is said to be exempt from illness; others say he is subject to bodily infirmities. So regular a life, however, in point of regimen, unruffled by worldly cares, may well ensure a continuance of health, and, in general, prolongation of existence.

As the elder son inherits the spark of divinity, it is necessary that he also be a fool, as he hath ever proved. To the question “whether, the second son being sane, and the elder dying without male issue, the second, to whom the patrimony then descends, would become *dewanna* on his accession?” the *Bramins* demur: It hath never, they say, happened. God made the covenant, and the means of fulfilling it are not for man to point out.

HOWEVER remote the degree of consanguinity may be, all of this family assume the final name DEO—It did not occur to me to inquire if the females are peculiarly estimable—I judge not very highly so, from never having heard of exalted personages seeking them as wives—the males, indeed,

do not, beyond the *reigning* family, seem much distinguished.

It might not be very interesting, if practicable, to trace minutely the genealogy of this family to its holy root, and I shall go no farther in this retrospect than to the immediate ancestors of the present DEO. He, DURNÉE DUR DEO, called also DURNÉE DUR BAWA, had four sons (no daughters) by his only wife AAKAH, who died in 1780, aged 65—about ten years after her husband, who lived to be nearly four score.

1. GABAJEE DEO, born about 1740.
2. GUNNABA DEO, born about 1750, died 1795.
3. MOORABA DEO, born about 1755, now living at *Ranjangow*, of which temple he is superior.
4. BAPPAJEE DEO, born about 1760, now living at *Ojoor*, where he is head *Brahmin*.

GABAJEE DEO married 1. ABBAJEE, who, in 1775, bore him, when she was twenty years old, his only son BABA DEO, and died without further issue, at the age of 26.

2. ABBAJEE now living, about 35 years of age, who has proved barren. BABA, or BAWA DEO, married 1. NEEROBAJEE, born about 1780, still living, by whom he has an only daughter born in 97, 2d. wife, name not known, born about 1784, this ends the eldest branch of the family.

GUNNABA DEO, the second son, had two sons, who are living, as is their mother, at *Seedatak*, names not known.

MOORABA DEO, the third son, had only one wife, and by her one son, whose name does not occur. That son was eighteen years old in 1798, in which year he bruised himself to death on the pedestal of his god at *Ranjangow*, in consequence of some indignities offered him, or the temple, by a party of SENDEA's soldiery: his widow is living childless, although the marriage was consummated at *Ranjangow*: this ends the third branch.

BAPPAJEE DEO, the fourth son, has one wife; GUNGABAJEE, now living, about thirty-five years: they have two sons, 1. BAAOW DEO, born about 1786. 2d. NANNA DEO, born in 1787, both living at *Ojoor*. The eldest lost his wife in 1799, who had born him a son in 1797, named HEERUM DEO, now living: he is married again, but his living wife is only eight years old. NANNA DEO has a wife twelve years old—no child.

THE temple of this BAPPAJEE DEO, at *Ojoor*, enjoys enaam land to the value of four thousand a year, granted by the present *Peshwa*, in consequence of supposed benefits received from the holy man's prayers.

GABAJEE DEO goes at least thrice a year, on fixed days, to *Moorishwur*, a respectable town a few miles beyond *Jejooree*. A detail of the circumstances of his journey, which seldom vary materially, will tend to illustrate his character, and show the degree of estimation in which he is held.

ONE of the days is the 2d of Maug, answering this year to the 31st of January. He leaves *Chinchoor* pretty early, and the *Peshwa* and court, apprised of his approach, go forth to meet him, generally about halfway between a hill called *Gunniskunda*, two miles off, and the city. The DEO rides in his palkee, attended (I speak now of the present DEO) by a suwaree elephant, given him by the late *Peshwa*, MADHOO RAO, a few, perhaps a dozen, of his own domestic horsemen, and about a hundred servants on foot; as he approaches the *Peshwa*, his palkee is put down, and he seats himself on a carpet, with the sacred stone, which he never quits, in a box beside him. The *Peshwa* alights from his palkee or elephant, advances toward the DEO with folded hands, the posture of a suppliant, prostrates himself and kisses his feet: the DEO neither rises, nor makes a salaam, but with his hands raised a little, with the palms downward, makes a benedictory gesticulation, accompanied

accompanied by a motion, signifying his desire that his visitor may be seated: the *Peshwa*, and a few distinguished persons, such as IMRIT RAO, CHIMNA APPA, &c. sit, but at some distance, on the carpet: two or three questions and answers of supplication and blessing are exchanged, and the DEO bestows on the *Peshwa*, and others, a quantity of rice and dal, and perhaps a cocoa nut, or such trifle. The *Peshwa* receives them, makes a humble obeisance, and takes leave. The DEO enters his palkee, and proceeds, followed by the *Peshwa*, &c. by the wooden bridge to the city: the *Peshwa* quits him near the palace, which the DEO never enters, nor the house of any mortal, but always finds his tents pitched at fixed stations. The first is *Teeoor*, a respectable town about ten or twelve miles from *Poona*; the next *Rajwarry*, a large village or town just above the ghaut, on the *Jejooree*, or *Meritch* road. At both these stages the DEO prepares a feast for all *Bramins* that choose to partake; he goes next day to *Moorishwur*, where he remains in his tents three or four days, and here the principal event of his journey is particularly noticed. On a certain day he orders a portion of rice to be cooked, the quantity is determined by the inspiration of the Deity. The DEO has no premeditation; his impulses are divine and momentary. This quantity of rice, be it one *kundee*, one and a half, two, two and a half, or three *kundees*, (these have been the quantities usually ordered;) as to sufficiency or insufficiency for such as choose to eat of it, determine the bounty or scarcity of the ensuing year.

For instance, say one *kundee* shall usually suffice one thousand men of ordinary appetites; if this quantity be ordered, and four thousand, or more persons, shall assemble to partake of it, they shall nevertheless all depart satisfied, if the Almighty intend a sufficient season—nay, if an abundant year be willed, frag-

ments, in proportion to the superabundance, shall remain.

IF, on the other hand, three *kundees* be cooked, and but one thousand, or fewer, persons partake thereof, they shall notwithstanding remain unsatisfied, although the whole shall have been eaten, should the displeasure of God threaten the land with scarcity.

THE actions of the DEO on the night of this day are also minutely watched; as his actions, as well as words, are but the transient manifestations of the Almighty will, totally unpremeditated, and unrecognized by the DEO, they are noted as prophetic.—Should he remain the night through in peaceful repose, national repose is thence predicted; should his slumber, or his waking moments be perturbed, similar mishaps threaten the public weal. If, as hath happened, he starts wildly from his seat or couch, seizes a sword or spear, or makes any movements indicating martial measures, a war, attended by circumstances deduced from the nature of such movements, is foretold.—Every circumstance of this kind is carefully noted by persons employed by government; all is carefully considered, and reported accordingly, with appropriate inferences.

THE following is the miracle before hinted at, as performed by GABAJEE DEO, the only one that has come to my knowledge, excepting that continued one, as the *Bramins* affirm it to be, of miraculous prodigality. Living beyond one's visible means, seems a very loose argument in proof of a miracle, and would, I apprehend, be susceptible of application, too extensive to allow of its being considered as legitimate.

A WELL known Sahookar of *Poona*, named TRIMBUK DAS, had, for many years, laboured under a cruel and unseemly disease, called here *koora*; it appears in white patches, of the size of a rupee, some larger,

larger, some smaller all over the body, and although said not to be leprous, is clearly referrible to that class of disease.—TRIMBUK DAS was afflicted to an offensive degree, but the disease, after baffling every effort of skill that could be exerted, yielded to the prayers of GABAJEE DEO, seconded by the long proved piety of the patient; who undeviatingly, during a course of I think seven or eight years, visited the holy man on a certain day of every moon, using on his return home, in partial and general lavements, the purifying water with which he and others had devoutly washed the feet of the sanctified personage: from such faith and piety he became whole and clean, and is now a perfectly sightly man—very few years have elapsed since this miracle was completed.

THE foregoing is the result of my inquiries on the subject of the *Chinchoor* DEO, to which tedious detail I have to add an account of a visit we paid him on the 10th of January 1800.

I HAD expected to find *Chinchoor*, like *Jejooree*, filled with beggars, but was mistaken, for it bears the appearance of an industrious town; the houses are good, the streets clean, the shops well supplied, and the ground about it indicating seasonable cultivation; the town is pleasantly situated on the left bank of a pretty river, and is said to contain five thousand inhabitants, including three hundred *Bramin* families: we arrived early, and after seeing the principal temples, which are near the river, and the environs of the town, we took our breakfast of milk, fruit and bread, in a *Bramin's* house. Some of our party not being accustomed to the society of calves and horses, were rather annoyed by them, as well as by smoke. Our party consisted of COLONEL and LORD GEORGE BERESFORD, and my colleague MR. LOVETT—a *Bramin* to introduce us to the DEO, an old acquaintance and fellow traveller of mine—an-

other *Bramin* in office about the DEO, with whom I formed an acquaintance, in view to gathering the information detailed in this letter; and a *Bruhmucharee* from *Bunarus*, who was our constant companion, and seemed to care little for any other society.

ABOUT 9 o'clock we were informed that the DEO, who intuitively knew of our visit, had finished his prayers, and would see us, we accordingly proceeded, and after entering an extensive walled enclosure by a fortified gateway, were seated on carpets in a sort of veranda on a confined scale, into which a small door, not more than three feet by two, led from an apartment in which we learned the DEO then was: through this door none but *Bramins* were admitted. In two or three minutes the door opened, close to which sat the holy man, if it be lawful to call him man, on a shawl thrown over a seat a little raised, with another shawl over his head and shoulders: we immediately arose, and made a respectful salutation, and presented our offering, consisting of a cocoa-nut each, and a handful of rupees, about thirty. The DEO at first took very little or no notice of us, or the present, which was removed by an attending *Bramin*. Presently he cast his eyes full on us, and surveyed us attentively, but wildly; and suddenly moving his head, he fixed his eyes with knitted brows on the ground, and soon as suddenly viewed us again. Silence was now broken by our *Bramins* explaining to those attending who we were, (the DEO was supposed to know all about us,) and presently the DEO himself spoke. He desired we would tell our names, which we did, and proceeded to tell our business also, namely, "to bring a letter from HIS BRITANNIC MAJESTY to SREE MUNT, (the *Peshwa*,) which had been delivered the day before, and that now having paid our respects to MAHARAJ," (as the DEO is addressed in conversation,) "we had little else to do in this country, and should, after a visit

visit in the evening to DOULUT RAO SENDHJEEA, return without delay to *Bombay*." The DEO continued some minutes in a state of apparent cogitation, sometimes fixing his eyes, but without "speculation," on us or other objects. He presently whispered one of the *Bramins*, and we were desired to ask any question or questions we pleased, as that, probably, futurity would be opened to us. We were not altogether prepared for this; however, we immediately desired to know the result of the present war between *England* and *France*, and when it would be terminated. It was communicated in a whisper, and in like manner directly answered by the DEO; when the *Bramin* declared aloud that the existing war would assuredly terminate triumphantly and advantageously to the *English* within six moons. We were, for fear of trespassing, rather sparing of our questions.

THE *Bruhmucharee* had expressed some surprise and displeasure at the accounts we had previously given of this hereditary living Deity, and did not at this visit deport himself with such gravity and decorum as it is common for *Bramins* to assume. He would not profess any faith in the power ascribed to the DEO, of working miracles. He required, he said, ocular demonstration of the existence of that power; nor would he credit the prophetic spirit, until manifested by the fulfilment of the prediction. This, particularly the first want of faith, afforded great room to gall him in argument, as he did not perhaps foresee the extent of the objection; for he acknowledged he had never seen a miracle performed, although he would not disavow his belief in many. Following the bent of his inquisitive disposition, he asked the names of several persons near him, who happening to be of the reigning family, assumed the patronymic final of DEO, on which he was inclined to be jocose; and we were, indeed, obliged to re-

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press

press his propensity to turning what he saw into ridicule.

AFTER sitting about twenty minutes, we asked permission to depart, and while the customary gifts on taking leave were bringing, we were desired from the DEO to require something of him. The return to this generosity was easy enough, and we accordingly implored the favour of his holiness on our country, and his prayers for its prosperity in general, and our own in particular, which were vouchsafed, and in such a mode of expression as to leave an obvious opening to infer that such favour and prayers had not been without their previous effect in raising *England* and *Englishmen* to such a pitch of aggrandizement and general happiness. We had, therefore, only to beseech a continuance of his regard.

AT going away the DEO gave each of us, including the *Bruhmucharee*, some rice and spices. We made our reverences and departed.

THE DEO did not appear to us to merit the appellation of *Deewana*. His countenance is expressive and not disagreeable, his eyes keen, complexion rather fair: he seemed about fifty-five, but is, they say, five years older, and is apparently, (but he did not rise,) of middle stature.

WE saw also his son BAWA DEO, sitting at some distance, in the apartment with the DEO, among some *Bramins*. He is a fat, dark, but not very ill although rather stupid looking youth, about five-and-twenty. He took no notice of our salaam, farther than vacantly staring at us; of the two, the son looked by far the most like a *Deewana* in its usual signification.

I HAD nearly forgotten to mention that during the visit the *Bruhmucharee* was invited to see the symbol of the divinity, the sacred stone, to whose presence it was not judged advisable to admit us, although

although we had been previously led to expect it; we did not, therefore, urge it, but the *Bruhmu-charee* demurred at going, unless we also were indulged with a sight. He was, however, prevailed on to go without us; and he reported this typification to be an ordinary sort of a stone of three or four seers, coloured red, oiled, &c.

WITHIN the enclosure or fortification, as it may be called, in which the DEO lives, we were shewn a large room, with another over it, in which the DEO feeds *Bramins*. The two, they said, would accommodate two thousand persons. The one we saw was very large, and either, they said, built by HURRY PUNT, or that he had entertained a party there.

WE here put on our shoes, which we had of course quitted at the entrance of the holy ground, and departed.

*Letter to the Secretary from His Excellency the
Honourable FREDERIC NORTH, Governor of
CEYLON; introductory to the following Essay.*

WILLIAM HUNTER, Esq.

Secretary to the Society for Asiatic Researches, &c. &c. &c.

SIR,

CALCUTTA.

I HAVE the honour of transmitting to you, to be laid before the Committee of Papers, an Essay on the Religion and Customs of the *Cingalese*, drawn up by Mr. JOINVILLE, surveyor general to this government.

It is necessary to mention, that this Essay was concluded before the arrival on this island of the embassy of Colonel SYMES, and of the account of the Religion and Customs of the Inhabitants of *Burmah* by Doctor BUCHANAN, contained in the sixth volume of the Researches of the Society.

I have the honour to be,

SIR,

Your most obedient humble Servant,

FREDERIC NORTH

COLOMBO,

27th September 1801.

XV.

*On the RELIGION and MANNERS of the
People of CEYLON.*

BY MR. JOINVILLE.

ANTIQUITY OF THE RELIGION OF BOUDHOU.

It is generally known that the religion of BOUDHOU is the religion of the people of *Ceylon*, but no one is acquainted with its forms and precepts. I shall here relate what I have heard upon the subject, and I have the satisfaction to think, that though my information may not be altogether complete, yet it will serve as a clue for future and deeper researches. The first person who treats on such a subject, labours under disadvantages, which succeeding authors now how to turn to their own account, by finishing what a former hand had sketched, claiming the merit of the whole work. Regardless, however, of this consideration, I have the consolation to think I shall be useful to him who may next treat of the present subject.

If BOUDHOU be not an allegorical being, he is a man of genius, who has made laws and established religion over a large tract of *Asia*. It is hard to say whether HE, ZOROASTER, or BRAHMA were the most ancient. In fact, it would be necessary towards the decision of this question, first, to establish that these three legislators had really existed, or whether if these names are not merely attributes. ZOROASTER is the only one represented as a man, BRAHMA being always drawn as a part of and uniting the three supreme powers of Creator, preserver and destroyer, in his own person. BOUDHOU is superior to

that it may be easily imagined that very few of their wise men understand them. There are traces, however, of the *Brahmin* calculations to be found in those of the *Boudhists*. The *Brahmins* and *Boudhists* are equally bigoted and extravagant, with this difference, that in the former religion are found very deep ideas of astronomy, in the latter none: I have till now searched in vain for an instructive work in *Singalese*, relative to the heavenly bodies, and have only found uninteresting speculations on the influence of the stars on the affairs of the world: the *Brahmins* respect fire, the *Boudhists* do not. The former eat of no animal, the latter are restricted only to the not partaking of the flesh of nine, of which the ox is the principal.

I AM rather of opinion, upon a comparison of the two religions, that that of BOUDHOU is the more ancient, for the following reasons—The religion of BOUDHOU having extended itself in very remote times, through every part of *India*, was in many respects monstrous and unformed. An uncreated world and mortal souls, are ideas to be held only in an infant state of society, and as society advances such ideas must vanish.—A fortiori, they cannot be established, in opposition to a religion already prevailing in a country, the fundamental articles of which are the creation of the world and the immortality of the soul. Ideas in opposition to all religion cannot gain ground, at least cannot make head, when there is already an established faith; whence it is fair to infer, that if *Boudhism* could not have established itself among the *Brahmins*, and if it has been established in their country, that it must be the more ancient of the two.

IN looking into the *Singalese* books, we find several striking resemblances between their astronomical system, and that of the *Brahmins*; for instance,

stance, we see the number 432, followed by any number (no matter how great) of zeros, which among the *Indians* is the result of certain combinations in the movement of the heavenly bodies; combinations which agree almost exactly with the calculations founded on NEWTON's system. This same number 432, among the *Boudhists*, is no longer the result of astronomical combinations, but of arithmetical ones, arranged expressly to obtain it. The *Boudhists* have only a mechanical knowledge of it, and generally attach sixty zeros to it; whereas the *Bramins* put but three or four: had the former received it from the latter, they would have either kept it entirely, or changed it entirely in its mystico-numeric details, so that the number 432 would either have been kept in its original purity, or entirely lost; but if, on the contrary, they transmitted the science to the *Bramins*, as in the unfortunate wars which they must have suffered in the reformation by the *Bramins*, they were driven from their country; and their effects, books, observatories and astronomical tables were lost; they could preserve only a loose remembrance of their former science, (for they were obliged to wander a long time before they could unite in a body either on *Ceylon* or *Siam*.) Hence, is it not evident that the *Boudhists* were possessed of astronomy before the *Bramins*, and as both religion and astronomy are united, is it not probable that the religion of the *Boudhists* is the more ancient? It is ascertained that ZOROASTER is not very ancient; it is said that a council was held on the subject of his principles, and that the result was an adherence to their belief in the immortality of the soul: therefore, ZOROASTER must have established something, perhaps the adoring of fire, or somewhat of that kind at present used by the *Parsees* of *Bombay* and *Surat*. The *Bramins* do not adore, but they respect fire, and

keep some constantly lighted in their houses, as well as in their temples. The *Boudhists* pay no kind of regard to it, because nothing of the kind was thought of when their religion was formed. The *Boudhists* eat animals, the *Bramins* do not. If it should be held that reforms tend to the perfection of religion, to decide on the question of priority of age on that ground, it should be ascertained whether it be better to eat a partridge than a potatoe, which being a matter of taste, cannot be easily decided. But there is a more direct way of coming to a conclusion on this subject. All reformers attempt to throw a slur on the individuals professing the religion they wish to reform: now if the *Boudhists* had been the reformers, they could not have reproved the *Bramins* for eating rice, as they eat it themselves; nor for eating rice only, for when the religion allows eating both meat and rice, it is in every person's choice whether he will eat only one of these. But if, on the contrary, the *Bramins* had been the reformers, they could throw blame on the *Boudhists*, by prohibiting meat to themselves: these reasons make me believe that the religion of the *Bramins* is not so ancient as that of the *Boudhists*, and that MENU was the reformer. But that is a question of no importance to what I have to say further.

ACCORDING to all the old *Singalese* authors, particularly NIMI GIATEKE*, and the BOUDHOU *Gunukatave*†, BOUDHOU transmigrated during four *asankes*, and one hundred thousand *mahakalpes* of years, from the time he took the resolution to become BOUDHOU, till that when he was born for the last time according to some, or, as others will have it, till he became *Nirani*. To form an idea of this period,

* An incarnation of BOUDHOU, under the name of king NIMI.

† History of the achievements of BOUDHOU.

riod, the meaning of the words *asanke* and *mahakalpe* must be explained. There are two ways of explaining *mahakalpe*: the first supposes a cubic stone of nine cubits on each side; a goddess of great beauty dressed in robes of the finest muslin, passes once in every thousand years near this stone, at each time the zephyr gently blowing the muslin on it, till in this way it is worn down to the size of a grain of mustard: the space of time necessary for this is called *antakalpe*; eighty *antakalpes* make one *mahakalpe*. According to the second way of explaining the term, it is said that the earth increases seven *yoduns* in one *antakalpe*; but a thousand years only increase it the thickness of one finger, in the opinion of the *Boudhists*. It then remains to be seen, how many fingers there are in one *yodun*. The calculation is as follows:

12 fingers....make....1 viét:

2 viets.....1 riene or cubit.

7 rienés 1 jaté.

20 jates.....1 isbe.

80 isbes.....1 gaoué.

4 gaoues 1 yodun. — About

14 English miles. One *yodun* is, consequently, 1075200 fingers — 7 *yoduns* 7526400 fingers, which, multiplied by 1000, the number of years makes 7526400000, the amount of an *antakalpe*, which, multiplied by 80, produces 602112000000 years, or one *mahakalpe*. The first computation, involving in it a calculation beyond the power of the human imagination to reach, leaves us nothing to say on the subject, except to express our total disbelief of it. The second is at least intelligible, and, it will be seen, bears a smaller proportion to an *asanke*, than a second does to a thousand centuries. The *asanke* is a number explained in three verses by an ancient author; these three verses are composed of the following

words, each having a numerical meaning—*Satan*, *Sahajan*, *Lakhan* or *Lakse*, or *Lack*, &c. &c.

Satan . . . signifies	100
Sahajan	1000
Lakhan	100,000
Naouthan	1000,000
Cathi	1000000000
Pakethi	1000000000000
Cothi Pakothi	1000000000000000
Cothi Pakothi Naouthan	18 zeros
Nina Outhan	21 do.
Hakoheni	24 do.
Bindhou	27 do.
Aboudhan	30 do.
Nina-Boudhan	33 do.
Abahan	36 do.
Abebhan	39 do.
Athethan	42 do.
Soghandi	45 do.
Kowpellan	48 do.
Komodan	51 do.
Pomederikan	54 do.
Padowonan	57 do.
Malakatta	60 do.
Sanke or Asanke	63 do.

ONE *sanke* or *asanke* is, therefore, a number of years amounting to an unit with sixty-three *zeros* after it. I suspect that there is an error in the four first numbers, though all those, whom I have consulted, have assured me there is not. This is to be lamented; for had the account commenced with 1, the second line been 1000, the third 1,000,000, &c. and so on, and that the second were added to the first, the third to the two preceding ones, the fourth to the three, and so on, it would produce a fine magical square, of the same description as that displayed by the wise men of *Siam*, and which a famous astronomer,

astronomer, Mons. DE CASSINI, has not thought unworthy of employing his time in calculating. It is worthy of remark, that the *asanké* is denominated by sixty-four cyphers. For if this number be used to divide a *mahakalpe* 60211200000, the quotient is 940800000, which last number can be equally divided by 64, by 4, by 80, by 32, all remarkable numbers in the mysterious calculations of the *Boudhists*. If the numbers of *antakulpes*, 80, be multiplied by the number of *Boudhous*, 5, it will give 400; and if 64, the number of cyphers in an *asanké*, be multiplied by 5, it will give 320; these two numbers, added together, make the quotient of 432000, by 600, a period famous among the *Chaldeans* as well as the *Indians*, 432000 representing the *Kali* of the *Bramins*. It is certainly not enough that this number should be produced by means of certain divisors and multipliers; but it must be proved that these numbers are particularly marked in their religion. The number 5 stands for the five *Boudhous*, of whom one is yet to come. The number 4 represents the four *Boudhous* that have already appeared, and also the four *asankes* of transmigrations of GAUTAME, the fourth *Boudhou*; 80 is the number of years of the last life of the same *Boudhou*, for, according to the most authentic works, he was,

Kumareïa (Prince) during....16 years.

King, during 13 do.

Pilgrim, during 6 do.

Boudhou, during.....45 do.

Total....80

THIRTY-TWO represents the number of his great qualities, as well as of his middling ones, which, added together, amount to 64, the number of cyphers of the *asanke*.—In fine, to be short, we shall only observe that four *asankes*, 100,000 *mahakalpes*, and 32 great qualities of *Boudhou*, compose mysti-

D D 3

cally,

cally, if not arithmetically, the *Kali* of the *Brahmins* of 432,000 years.—We shall have occasion hereafter to remark the coincidence in the calculations of the *Boudhists* with those of the *Brahmins*.—The *Boudhists* of *Ceylon* are the descendants of the *Boudhists* of the continent of *Asia*, who emigrated at the revolution effected by the *Brahmins*.—Having lost their astronomical tables, they have attempted, by a variety of forced, and often unintelligible calculations, to produce the numbers resulting from the astronomical experiments of their ancestors,—as they have themselves preserved nothing of the science, except these numbers,

COSMOGONY.

THE *Boudhists* imagine, that the world is composed of an infinite number of worlds, resembling one another. In the centre of these, lies a stone called *Maha Meru Pargwette*, (*Pargwette* signifies a stone in the *Pali* language,) sixty-eight thousand *yoduns* in height, and ten thousand in circumference, making a hundred and forty thousand English miles. *SAKREÏA*, the King and God, lives at the top: around this stone lies another, called *Yougandere Pargwette*, one half the height of the former. The space between these stones is filled with water, and is termed *Sidhantē Sagrē*, meaning the coldest water: *Yougandere* is the seat of the stars, the planets, and all the bodies whether luminous or not, which we call celestial: around *Yougandere* is *Issedare Pargwette*, where lives a bird called *GOUROLASS*, 150 *yoduns* in height: and next to it lies *Karvike Pargwette*, an uninhabited stone: Next to the last mentioned place is *Soudassene Pargwette*,

zwette, a similar one: next to that *Vineteke*, and then *Assuekaru*. The space between all these stones is filled with the coldest water, *Sidhantē Sagrē*. *Tchiakrevatte Pargwette*, or *Sakwelle Gale*, surrounds a vast space inclosing *Assuekaru*. The circumference of *Sakwelle Gale* is 3,610,350 *yoduns*, and its diameter 1,203,400, uninhabited, is all of solid stone. Each of these *Pargwettes* is only half as high as that which it surrounds; so that *Assuekaru* is one 128th part of the height of *Maha Meru*, and *Tchiakrevatte Pargwette* one 256th part. Between *Assuekaru* and *Tchiakrevatte* are four countries, called *Maha Dwipes*, (*Dwipes* signifies island,) placed at the four cardinal points. *Pourgweidehé* at the west, *Giambu* at the north, *Aprigodani* at the east, and *Uturu Kurudiveine* at the south. *Pourgweidehé* is in the form of a half moon, and is inhabited by people whose faces are shaped like a half moon. It is seven thousand *yoduns* in circumference, and is surrounded by 500 islands, each of them one hundred *yoduns* in circuit. *Giambu* is the earth we inhabit. It is of a triangular form, and is divided into two parts; that in which men immediately live is seven thousand *yoduns* in circuit; and the other, in which spirits only exist, is about three thousand. The elephants of the first class, which are 1,000,000,000 times stronger than those of the tenth, live also in this place, which is called *Himalé Vani*. It is besides the favourite residence of *VISHNU*, of *ISWARE*, of * *NATHE*, and several other great gods, who are there for the protection of the earth. It is surrounded by five hundred small islands. The small part, *Himalé Vani*, is of the same shape as the whole together, being triangular, the other part is a trapezium. They have all together 10,000 *yoduns* in circumference. As the triangle *Himalé Vani* is three thousand *yoduns*, the *Trapezium*

D D 4

must

* The *Nats* are not known here, there is only a god called *NATHE*.

must be about nine thousand; but the *Singalese* books make it but seven thousand, which cannot be the case, geometrically, even supposing a triangle carried to its extreme length. But arithmetically, seven and three are ten, which is all that is necessary to satisfy the *Boudhists* of the present day. The inhabitants of * *Giambu*, our earth, have a triangular head, which, however paradoxical it may appear, is clearly proved by the learned *Singalese* to be the case, by lines which they trace on their own faces. *Giambu* is situated to the north of the system; around it are five hundred islands, one of which, *Lanke*, is the island of *Ceylon*. This island is guarded by four great gods; before, by *VISHNU*; behind, on Adam's peak, by *SAMAN*: *RANDE KOU-MAREA*, or *KATREGAM*, is on the right, and *AYE-NAIKE* on the left. The fore part, according to the *Singalese*, is *De-undere*, the hind part Adam's peak: on the right lies the pagoda of *KATREGAM*, and on the left *Putaland*. *VISHNU* has placed them thus. *Apregodami* is a country of a round shape, inhabited by men with round faces like the full moon, and by spirits of a particular description that are to be found no where else. It is situated in the east, is seven thousand *yoduns* in circumference, with five hundred islands round it. *Uturukuru-diveinē* is in the south, of a square form; its inhabitants have square faces, they live there five hundred years, and there are five hundred little islands round it. As we have one day the prospect of being in one or other of these countries, the ladies, who may be shocked at the idea of having triangular faces, have at least the consolation to be able to choose in their next transmigration betwixt square faces, full moons, or half moons.

THE system of the world, or of the parts composing the world, which we have just described, is called *Sakwelle*. On the *Maha Meru Pargwette* are

* *Giambu Dwipe* is as *Zabudiba* at *Ava*. *Giambu* is a tree, (*Eugenia*.)

are four stones ; the first between the north-east and north-west ; the second between the north-east and south-east ; the third between the south-east and south-west ; the fourth between the south-west and north-west. The first stone is green, and reflects a green colour over the whole of that part of the *Sakwelle* which is opposite to it ; even the inhabitants are green : we are these inhabitants. Our not perceiving this, is to be attributed to a defect in the organs of our sight ; but holy persons, virtuous souls, see us as we really are. The second stone is red, and so is the corresponding space around it. The third stone is yellow, the colour of gold, and so is the space about it. The fourth is the colour of silver, as is its corresponding space. The sun that illumines *Yougandere* travels round its habitation ; when it gives light to the north, the south is in obscurity, and *vice versa*. It will have been observed that there are eight *Pargwettes*, in the same manner that we should have eight planets, had not one been appressed. Our *Sakwelle* appears to be divided into separate parts by the waters that are between the *Pargwettes*, but they all, though in different parts, unite themselves at their base. There is an infinite number of *Sakwelles* that touch one another by the points of their circumference. They are all of the same size. On account of their round space, there must be empty spaces between them, which form herical triangles. These triangles are cold hells, called *Lokonan*, *Tariké*, *Naraké*. The hells that are hot, lie under the earth we inhabit, and are named *Avitchi Maha Naraké*. There are thirty-six of these hells ; or *Maha Naraké*.

The heavens are divided into three classes, the *Velokes*, the *Brahmelokes*, and the *Arupelokes* ; amounting in all to twenty-six, and are placed one above the other.

1. Tchat-

- | | |
|--|-----------------------|
| 1. Tchattourmaharagikeié, which is
42000 yoduns in height, count-
ing from its base to the top of
Mahameru Pargwette. | } <i>Kamelokes.</i> |
| 2. Taoutifeie or Tretrinsak; this
heaven is governed by SAKREIA. | |
| 3. Tamé, governed by SUIAMENAME. | |
| 4. Santhoupité, governed by Tos-
SITE. | |
| 5. Nermane Jattie, governed by
SOUNERMITTE. | |
| 6. Parenermitté, governed by WASA-
WARTIE. | |
| | |
| 7. Brahmaparissetie. | } <i>Brahmelokes.</i> |
| 8. Brahmaparoussittie. | |
| 9. Brahmeikaiké. | |
| 10. Waredabeie. | |
| 11. (That name is forgotten in the
<i>Singalese</i> manuscript.) | |
| 12. Abassareié. | |
| 13. Parethchissoubeié. | |
| 14. Apemene Soubeié. | |
| 15. Soubekirne Soubeié. | |
| 16. Vehapeleié. | |
| 17. Assansateié. | |
| 18. Aviheié. | |
| 19. Attapeié. | |
| 20. Soudasseié. | |
| 21. Soudassieié. | |
| 22. Aghenishtakeié. | |
| | |
| 23. Akassenan tchiateneié. | } <i>Aroupelokes.</i> |
| 24. Vignanantchia. | |
| 25. Aghintchiniie. | |
| 26. Nenessanjagnianan | |

WHEN

WHEN the *Mahakalpe* ends, that is, when the system of the worlds is overturned, and that all is in disorder, the heavens described by the numbers 7, 8, 9, 10, 11, 12, are in a state of conflagration. Those numbered 13, 14, 15, 16, are laid waste by violent winds; and those numbered 17, 18, 19, 20, 21, 22, are inundated. The heavens, called the *Aroupelokes*, are of a very extraordinary description; here are many living bodies without souls, or the soul is not the life; and there are souls without bodies, and yet are not spirits, besides several other things equally curious. As each of us may hope to see this when we transmigrate, I shall not give a further detail of it.

THEOGONY.

THERE are three kinds of BOUDHOUS, the *Laoutouras*, the *Pases*, and the *Arihats*. There is nothing in the world superior to the *Laoutouras*. One of these is constantly in a *Mahakalpe*. If there be one, the *Mahakalpe* is called *Sarakalpe*; two, *Mandakalpe*; three, *Warakalpe*; four, *Saramandakalpe*; five, *Mahabadre-kalpe*. We are in this last, because it bears five BOUDHOUS; four have already ended, having become *Nivani*. The fifth will finish with the present *Mahakalpe**. The first of these five

* Sir W. JONES, in his *Chronology of the Hindoos*, vol. 2d of the *Asiatic Researches*, gives the names of seven Rishis, or holy persons, the *Seven* of VAIVASWATA, Son of the Sun. Their names are CASHAPA, ATRI, VASISHTHA, VISWAMITRA, GAUTAMA, JAMBHUNY, and BIARADWAJA. Among these seven names are to be found two of the five BOUDHOUS, KASSIAPE and GAUTEME. I think that the name of MAITRI is corrupted into the word WISWAMITRA. In the same treatise there is great mention made of BOUDH, under the name of BOUDHA, whom BAGAWATAMUT supposes to be of a colour between white and red. The author of the *Amaracosha* takes him to be son of MAYA: it is said farther on, that he is the son of the moon, a male deity, and that he married ILA, daughter of MENU. From what is said in the Sanscrit books about BOUDHU, I conclude that the *Brabmins* made his history intricate, in order to destroy the remembrance of him,

five BOUDHOUS was called KAKOOSANDE : the second KONAGAME ; the third CASSIAPE ; the fourth GAUTEME ; he, by whose laws the world is governed, and will be governed for 2657 years to come, from the 1st of May 1801 of the Christian era. It is 2344 years since BOUDHOU became *Nivani*. This era is called BOUDHOUVAROUSE ; fifth, the BOUDHOU to come, will be called MAITRE. He is actually in the heaven *Santhoupitie*. There has been a *Laoutouras* BOUDHOU, named DIPEKERE, who has done incredible things. He lives in a very remote *Mahakalpe*. Between him and GAUTEME there were twenty-two *Laoutouras*. The *Pe* BOUDHOUS are very numerous ; but none have existed in a *Mahakalpe* which has produced a *Laoutouras*.

THE *Arihats* are as numerous as the preceding ones ; many of them were promoted by GAUTEME to be his guard, but they have all become *Nivani*. The last survivor of these inhabited the *Wanny*, the northern part of *Ceylon*, before he became *Arihat*. The *Laoutouras* owe their becoming BOUDHOUS to their virtues. They transmigrated an infinite number of years before they obtained it. They were animals, men, and even spirits or gods. Among these gods are all the *Brahmes*, and even MAHABRAHMA himself. But in the spiritual hierarchy they are all inferior to the BOUDHOUS. The state of a BOUDHOU is that to which every being should aspire : because, to become *Nivani*, one must first be a BOUDHOU of one of the three sorts. The violent propensity to become *Nivani* proceeds from a dread that, in one of their infinite number of transmigrations, they may assume the shape and character of an uncleanly animal, or an inferior devil. MAHABRAHMA is a god who has become such, after many transmigrations, and who is destined for the state of BOUDHOU ; in the mean time, he is superior to all the *Brahmes*. There can be but one MAH

BRAHMA

MAHMA in the space of two *Kalpés* and a half; he present was servant to GAUTEME, and held the *rasol* over his head; SAKREIA is nearly of the same rank of gods as the *Brahmes*, but he is superior to MAHA BRAHMA. There have been many SAKREIAS, though never more than one at a time; his residence on the central stone of our system of worlds, MAHA ERU PARGWETTE; he is always occupied in doing good: the books are filled with accounts of his actions. When a man, perfectly virtuous, is affected with physical or moral pain, this good king shows of it by a shock which he feels on his throne; instantly approaches the unfortunate person, who is relieved on the spot, without seeing his benefactor. Four gods watch round his *pargwette* incessantly, each of whom has an army of beings subordinate to them, though not constantly with their masters. The first, VIRUPAKSHE, who commands an army of *snakes*; the second, DERTERATCHTRE, the chief of a whole race of *Gouroulas*, who are several hundred *yoduns* in height, and inhabit, as we have said before, *Issedare Pargwette*. The third, AIFREVENNE, who commands the devils; the fourth, VIVUDE, chief of the gigantic spirits, called *ambandé*. Under the stone of SAKREIA lives a devil, called ASSURÉ, who watches the moment when the posts are not guarded, to attack SAKREIA. But the four Gods are immediately informed of it by means of their divine science, and the devil is instantly hurled back into his dungeon.

But to return to GAUTEME BOUDHOU; he is generally called SAMAN GAUTEME BOUDHOU VALLASE; the Lord Saint GAUTEME BOUDHOU. It has been justly observed, that the SAMONOCODUM of the people of *Siam* is the same as the BOUDHOU of the *Singalese*. But I do not know that the analogy of the names has as yet been observed. We see now that SAMONO and SAMAN resemble each other; and that CODOM can be easily taken for GAUTEME.

BOUDHOU, in one of his three voyages to *Lankadwîpe*, the island of *Ceylon*, left on the top of *Jamanalé Sripade*, Adam's peak, the print of one of his feet; but though I have been at great pains to find it out, I have not as yet been able to ascertain whether it was his right or his left foot; and I am convinced that it must be, universally, a matter of doubt, for all the feet of BOUDHOU that I have seen in the temples are so awkwardly made, that there is no distinguishing the little toe from the great one. There is also a print of BOUDHOU's foot at *Siam*, but from the accounts of travellers, it is equally uncertain whether it is his right or his left: it suffices to know, that it is the mark of BOUDHOU. This not being doubted by any of the *Singalese*, the very good christians excepted, to whom the *Portuguese* priests have clearly proved that this is the mark of ADAM's foot. The *Boudhists* of *Ceylon*, however, discredit the account of BOUDHOU having stridden from *Siam* to *Ceylon*, having one of his feet at each of these places at the same time. As BOUDHOU was but eighteen cubits high, it is a thing impossible according to their own tenets.

GAUTEME BOUDHOU was the son of a king of GIAMBU DWIPE, called SOUDODENE MAHA RAGIA, whose kingdom was one of those seven large stones that I have not been able to learn the names of; his mother was called MAYA, or rather *Maha MAYA*.—He was there known under the name of Prince SIDHARTE; he had a son by his wife JASSODERA DEVI, who was called RAHOULE, and who succeeded to the throne on the death of his father. Having in vain attempted, during four *asankes*, more than a hundred thousand *mahakalpes*, to become BOUDHOU, he at last made himself a pilgrim. At the end of six years pilgrimage, an account of which is given in a large volume, he became BOUDHOU; in forty-five years after, *Nivani*; having established an order of things in this *Mahakalpe*, which is to last for

for five thousand years; after which, there will be several changes in the present system; long wars and a successive diminution in the lives of men, till they are reduced so low as not to continue beyond five years; and every one will commit, during this short space of time, unheard crimes. A terrible rain will sweep from the face of the earth all except a small number of good people, who will receive timely notice of the evil, and will avoid it. All the wicked, after being drowned, will be changed into beasts, till at length MAITRI BOUDHOU will appear, and will establish a new order of things; he is now alive for the last time but one, and inhabits one of the superior heavens. It is known that he will be born for the last time in the kingdom of *Kætumati*. His father will be SOUBRAMANÉ, his mother BRAHMÉ VETI-DEVI, his wife CHANDRE MOUKHI (moon face), and his son, BRAHME WARDENE MAITRI, will be 88 cubits in height, and be always surrounded by 100,000 *Ruhatans*, a species of spirits not very remarkable in the celestial hierarchy, though tolerably powerful. It will appear from what I have said, that the present *Mahakalpe* will end in five thousand years, to commence from the day that BOUDHOU became *Nivani*; that a kind of CHAOS will succeed, and will continue till the appearance of MAITRI BOUDHOU. It is stated in some of the books, that the *Mahakalpe* will end with MAITRI. For my part, I dare not decide a question of so much importance, which might one day give rise to wars, if the Priests of BOUDHOU disputed; but luckily their views are limited to receiving peaceably the alms of charitable persons, and of covering their Idol every day with fresh flowers.

THE HELLS.

I HAVE brought the reader to the end of *Kalpé*; but it is not fair that he should arrive there without passing through the hells. Being in them, we shall

shall remain but a short time, as the diabolical system of the *Singalese* is so complicated that a long narrative would only disgust the reader.

THE Hells are places of transmigration for the souls of those who have deserved punishment, and they transmigrate into different persons according to the weight of their offences. Wherever one may be in transmigrating, he is liable to be a devil; which is certainly a punishment; for though there is power, there is also misery attached to the state of a devil. The *Preteio* devils for instance, which are the most numerous, are wretched beings, who, though constantly hungry, have not any thing to eat; and being always about us, are but too happy if we afford them food by spitting or blowing our noses. They are the only devils who do us no harm. All the others find a pleasure in rendering us unhappy, by causing our illnesses. This has led to the use of *Bales*, which are, however, prohibited by BOUDHOU; we shall speak of them hereafter. ISVARA and VAISSEVENÉ, two powerful gods, keep all the devils subordinate to them in as much order as possible, but they are not always in time to prevent the effects of their malice.

CHRONOLOGY.

WE have already given the opinions of the *Boudhists* about the antiquity of the world, together with their truly wonderful chronological calculations. We shall hereafter give an extract from the book of RAGIA PASKEMOODILLIAR, chief of the cast of *Saleas*, in which there are curious details on this subject. At present we shall touch on a chronology that approaches somewhat nearer to our understanding. We shall not speak of the history of BOUDHOU, a part of which is contained in 550 volumes, each relating to the history of one transmigration only. We intend to give a copy of some of the paintings on the walls of the pagodas, with their explanation.

planation. It is, however, at present sufficient to establish, that on the 1st of May 1801, there will have been 2344 years since BOUDHOU became *Nivani*; but not as some ignorant *Singalese* state, since he was born for the last time. BOUDHOU knew (from his great knowledge) that the descendant of a Lion would attempt the conquest of *Ceylon*.—As there were then seven hundred devils remaining, who had escaped destruction when BOUDHOU made great havoc among them in one of his journeys through the Island, he thought proper to avail himself of the destiny of this hero in order to destroy these 700 devils.—He accordingly ordered VISHNOU to afford him every assistance towards the success of his project.—BOUDHOU became *Nivani*, and seven days after, VIGE KUMAREIA, the hero, departed and arrived at *Ceylon* with 700 giants, which VISHNOU had procured for him, and a sanctified girdle, and a species of holy water which SAKREIA had made him a present of. The following is the genealogy of VIGE KUMAREIA. VAGOORAGIA, the husband of his grandmother, was a descendant from the Sun, king of *Vagouratté*, and father of a girl who had a connection with a furious Lion, the scourge of the country. This connection produced SINHEBAHOO, KUMAREIA. (SINHE means Lion). VAGOO was never sufficiently powerful to destroy this Lion. He ordered SINHEBAHOO, (the only one in his kingdom sufficiently strong to fight with this Lion) to attack him. SINHEBAHOO, after repeated menaces from VAGOORAGIA, at length determined to enter the lists with the Lion, his father, attacked and killed him. In consequence of this, he acquired a title to the crown of VAGOO, and on the death of VAGOO, obtained it, and added to it that of LATESINHE. VIGE KUMAREIA, who, we have already said, debarked on *Ceylon*, was his son. He landed at *Tamme* in the *Wanney*, and lay down to rest with his 790

giants under a * *Bogaha* tree, which sheltered them all. There was at that time in *Ceylon*, a female devil, who had three breasts, and who knew when one of those fell it would be the sign of a powerful stranger having arrived in the Island, who would marry her. This breast fell, she immediately disguised herself, as a bitch, and went in quest of the stranger. Having found him, she smelt his feet, and retired. VIGE judged, from seeing the bitch, that there must be inhabitants at no great distance. He sent his giants to reconnoitre; these, misled by the bitch, whom they followed, found themselves suddenly on the borders of a lake, into which they were all plunged. VIGE having waited their return in vain for a long time, suspected they had met with a misfortune, and marched forward in expectation of hearing of them. He arrived also on the borders of the lake, where he found a beautiful woman, called KUVENI. This was the same devil he had seen disguised as a bitch. He suspecting that she had hid his giants, without hesitating, seized her by the hair, and threatened her with the most dreadful vengeance if she did not deliver them up to him. She consented on condition that VIGE would marry her. He not having a woman at the time with him, and she being beautiful, agreed, and took the oath accordingly. At this instant the giants sprung out of the waters in the same state as they had entered them—KUVENI then informed him that all the devils of the Island inhabited two villages near the lake, and that she would enable him to destroy them all, if he pleased.—VIGE immediately accepted the proposal. KUVENI changed herself into a mare; VIGE mounted her and darted blows on every side wherever she brought him. This he did with so much success, that in a few hours he killed all the devils in the Island, except one. This one is still in *Ceylon*, and does a great deal of mischief. It is, probably, the one that a well known traveller,

(Knox)

* *Bogaha* is a *figus*, but not the *basian* tree.

(Knox) proves by an irresistible argument, that he has heard at different times.—VIGE then, finding himself master of the Island, took the title of VIGE RAGIA, and the inhabitants that of *Sinhale* (friends of the Lion) out of compliment to VIGE. This is the origin of the word *Singalese* (as we call it). VIGE RAGIA was the first of the line of kings, descendants of the Sun. It has been mentioned that he was the grandson of a Lion on his father's side: But as his grandmother was a descendant of the Sun, it is sufficient reason why he should be considered of that race. Also, since his time, all the kings of *Lanka Dwipe* (since called *Ceylon* from *Sinhale*,) have taken the title of sons of the Sun.

It will appear from what we have said, that VIGE RAGIA arrived in *Ceylon* on the 7th of May, 543 years before the coming of Christ. I do not know upon what authority VALENTINE states his arrival in the year 106 of Jesus Christ, 649 years after the statement made by the most authentic writers. He is in another error, when he declares him to have reigned only thirty years; the *Singalese* being all agreed, on the authority of the MAHAVANSE, the SASSENANVANSE, and the RAGIA VALLIE, that he reigned thirty-eight; but they vary in their accounts of the time of reigning and the number of the following kings. I have before me seven or eight lists of their kings, not one of which agree — The first extracted from the MAHAVANSE, the second from RAGIAVALLIE, the third from SASSENANVANSE, the fourth and fifth are Dutch manuscripts, the sixth is VALENTINE's the seventh RAGIA PAKSES MOODILLIAR of *Saleas*, who has attempted to reconcile the different statements of the other authors, but (as he himself allows) to no purpose.—About twenty years ago, a learned priest passed several months in the archives of the king of *Candia*, to ascertain these and other points relative to the Island. The work he has written is much esteemed, and great re-

liance placed on its exactness; notwithstanding which, I have found out an error of one year in following his chronological calculation. I have only seen the latter part of the work. The author's name is **TIBOUWAVE NAIKE QUNANSE**. He gives an account of 206 kings (exclusive of the king then on the throne) whose aggregate reigns amount to 2400 years. But it would be necessary to see the whole of **TEBOUAVE**'s work, before we can come to a positive conclusion on the chronology of the Island.—I hope soon to get possession of it. I am pretty confident it will clear up several historical as well as chronological statements: though the history of the kings anterior to **RAGIA SINHE**, who lived 170 years ago, hardly contains more than their names. There are nevertheless a few interesting facts, of an ancient date, mentioned by **TEBOUAVE**, such as that **DIVENIPATISS** was the first king who introduced writing in the Island. He lived in the year 222 of **BOUDHOU VAROUSSE**, and 321 before Jesus Christ.

KINGS.

SUCCESSION TO THE THRONE.

A **SINGALESE** cannot be king of *Ceylon*, that is, every person born of a *Singalese* father or mother, is excluded from the throne; the reason given for this is, that no *Singalese* can prostrate himself before one of his own nation.—The son of a *Singalese* woman is considered as of the same country as his mother, though his father should belong to a different nation: They lie on their bellies only before kings, but as no *Singalese* has ever been a king, they could not prostrate themselves in that manner before a king of their nation, as he would be the first of the new race. One **PATTHILBANDARE** descendant of kings on the father's side, but of a *Singalese* mother, usurped the crown; he was shortly after massacred.

THE

THE king may have as many women as he pleases, who are not considered as concubines when they live in the palace; but the issue of a royal race can alone pretend to the crown. These are called Princes; *Kumareîa*.

THE eldest son generally succeeds to the throne; but if he be disqualified on account of irreligion, bad morals, or want of understanding, the least objectionable of his brothers is made to supersede him. If the king have not male issue, one of his relations is chosen to succeed him; and if he have not these, an offer of the crown is made to some prince on the continent professing the *Boudhou* religion.

THE courtiers, holding the principal offices, decide, conjointly with the inhabitants of six cantons called *Ratte Paha*, all claims to the crown. They confirm or annul the nomination of the late king, and in the latter case elect another, who is generally considered as the lawful sovereign, provided the electors have followed the written laws on the subject of election, and that the fundamental conditions of being of a royal race, and of the religion of *Boudhou*, have been adhered to.

THE election is of course subject to be decided by intrigue. The first minister or others may influence the vote of the *Ratapaha*, and intimidate the rest.

COUNCIL of the KING. DECREES.

THE council of the king is composed of all the *grandees* of the court, that is to say, of two *ADIKARES*, the great *DESSAVES*, or collectors, and the *MĀHA MUTTIA*, or chief secretary. The priests of the first class appear there also, when particularly invited. The decisions are not carried by plurality of votes; the king listens to his council, and then decides as he pleases. Priests can only give their opinions on the private conduct of the king, and

on subjects of religion. In cases of war or revenue, it is strictly forbidden them to utter a word. A Dutch manuscript, written about twenty or twenty-five years ago, asserts that the king cannot punish with death; but this is a mistake. He is absolute in his kingdom; and, in fact, is the only person who can condemn to death, which he can do without even passing sentence, for he can inflict it with his own hand.

RAGIA SINHE, having been abandoned by sixty of his guards, at the moment he was engaged with a fierce wild boar, revenged himself of their cowardice by running his lance through every one of their bodies. The DESSAVES are judges in their respective provinces, but they have not the power of inflicting a punishment that may lead to the death of the delinquent. Where the offence is very weighty, the criminal is stripped of his all, and the judge appropriates it to his own use.

TEMPLES.

THE temples of BOUDHOU are called *Vihari*, which signifies a *house*; but its received meaning is, the house of BOUDHOU, in the same manner as the term *Kumareïa*, which means son, is only applied to the son of a king by a princess. These temples have no certain form, being generally built in the caves of rocks. And it depends upon the particular form of the cave, whether the statue of BOUDHOU be standing, or sitting with its legs across, or lying down, on its right side. This statue is invariably yellow, from the head to the feet. A large yellow garment covers the whole body, except his right breast. This garment is lined with red; the only part of the lining to be seen is that which is folded and thrown over the left shoulder. BOUDHOU has bracelets, like all the Indian figures; his head is naked, his hair neatly

neatly plaited from the fore to the hind part of his head, at the top of which is a flame, which, in statues of eighteen cubits, is three feet two or three inches in height. There are generally figures of some of the divinities painted on the walls of the temples; and these figures, in the richer ones, are made of earth or wood. Those of BOUDHOU may be made of any kind of materials. Devout people make offerings to the temple in gold, silver, brass, or even stuffs. It is an homage to the memory of BOUDHOU, for which a recompence is expected in this life, and not in the other.

ON one side of the *Vihari* there is always a monument, in the form of a cupola, placed on a moulded pedestal. This monument contains a particle of the bones of BOUDHOU: it is rather difficult to conceive whence all these particles have come, as his body was burned on a pile of sandal wood one hundred and fifty cubits high. This cupola is called *Dageb Vahansé*. *Dā* bone, *Geb* belly, *Vahanse* word. It is clear that the word *belly* is here used in a metaphorical sense. *Vahanse* is a term applicable to every thing that creates respect. The priests live close to the *Vihari*. Their habitations should be humble, and covered only with leaves. This has given rise to their being called *Pans-élé*, house of leaves. Abuses have, however, crept in among them, and tiles are seen to their houses instead of leaves.

PRIESTS.

THE priests are all dressed in yellow: their garment is large and folded back, like that of BOUDHOU, on the left shoulder, leaving the right breast and shoulder uncovered. They are forbidden to marry, or to have concubines. They cannot touch meat, vegetables and eggs being their sole diet. They are not to eat after twelve o'clock, and must

be three months during the year away from their ordinary habitation. They differ in their opinions as to the cause of this regulation. It appears to me to have been made for the purpose of spreading their doctrines more generally, as they are obliged to preach whenever there is an assemblage of the faithful. They live partly on the produce of the lands annexed to the temples, but more particularly by the alms they receive, in raw or boiled rice, vegetables, pastry, clarified butter, or ghee, &c. &c. They must clean out their temples twice a day, and always keep at least one lamp lighted in them. Every morning they are to spread fresh flowers on the statue or pedestal of Boudhou, and must have music both morning and evening. There are only two orders of *priesthood*, the novices, and the ordained; the first are called *Saman Eroo Ounnane*. They can be novices from their puberty, if they know how to read a little, and have some knowledge of the precepts of their religion. Previous to their admission, they are examined, and it depends on their answers whether they gain their object. They are asked whether they are afflicted with the falling sickness, or the *leprosy*; if they be hermaphrodites; whether they have been born slaves; if their parents be alive, and if they have obtained their consent to embrace the *priesthood*; with several other questions.

At twenty years of age they can be ordained, that is, become *Tirounnanse*. Questions are then put to them so numerous as to fill a small book. Previous to becoming a candidate, the novice must provide himself with eight things, which are indispensably necessary towards admission. A wooden plate for his food; three different yellow garments; a stick, for no other purpose than to enable him to walk; a round fan, called *Watapete*, to hide his face when he speaks; a coarse sack to filter his water; and a needle to mend his garments. There is a law that
makes

makes all the *Tirounnanses* equal in rank. But this law not having been sufficiently attended to, it has been necessary to establish chiefs among them, to inspect the temples in a certain district. These chiefs are called *Näike Ounnansé*. A little after, there were two inspectors general made of all the temples in the island, they are called *Mahanäike Ounnanse*: they reside at *Candy*. At present there is but one who enjoys a great reputation for sanctity.

MARRIAGES.

THE author of the Dutch manuscript I have already alluded to, says, that the law forbids brothers to have one woman in common; but he is deceived. There is no such law: no notice of any such custom is taken in the antient law, and there is no modern one yet. This custom prevails very much in *Candy*, and, to say the least, is tolerated.

IN all suits relating to marriage, this custom is considered legal, and must have resulted from the manner in which the marriage ceremony is performed in *Ceylon*. A whole family goes in a body to ask a girl in marriage; the more numerous the family, the greater title it has to the girl: It is the whole family that marries, consequently the children belong to the whole family, in the same way as the lands, which are never divided.

It is probable that his Excellency, the Governor, will bring about a reform in this kind of marriages, and place them on a more natural footing, by encouraging agriculture, and ordering a division of lands, for the purpose of establishing, every where, a sole proprietor—Marriages, in *Ceylon*, are contracted by the right thumb of the man and woman being put together, the priest throwing a little water over their thumbs, and pronouncing the words laid down by *Boudhou* for the occasion.

THE

THE king is married in the above way, but a shell of the sort called *Chank* (*Buceinus*) must be procured to pour the water from, with the aperture to the right; such shell is the principal piece in the valuables of the crown. Their religion authorizes them to have many wives; a man may have as many wives and concubines as he can maintain.

WHERE a young man and woman are well disposed to marry each other, the family of the man sends a friend to that of the woman, to sound the intentions of the other party. In general, the girl's family receives notice of it, and accordingly gives a feast to their guest. A few days after, one of the nearest most aged relations of the young man pays a visit to the girl's family. He informs himself relative to her character and circumstances, and if he be satisfied, purposes an alliance. To this he receives no answer; but they treat him with a much greater feast than the former, which is generally a sign of consent. The next day, a relation of the girl comes to visit the family of the young man; he receives a grand entertainment in his turn. He inquires particularly about the number of the family—their circumstances, &c. and declares, that if the young pair are satisfied, it would be well to consent to their marriage. The young man and his family immediately go in a body to demand the girl, which is acceded to. A magician is then consulted, to fix the day and the hour. The two families then meet at the house of the girl, where a grand feast is prepared, and the house ornamented according to the custom of the cast. The magician consults his books, and holds a *Clepsydra* (or water clock) in his hand. The instant the lucky hour arrives, the married couple is covered with a piece of cloth, their right thumbs are joined, filtered water is thrown over them, a cup, containing cocoa milk, is passed several times over their heads, and the ceremony ends. The couple immediately rid themselves of the

the cloth and retire into a room, where there is a white bed strewn with flowers, precious stones, &c. The magician holds the water clock in his hand, and knocks at the door when the lucky hour arrives. The couple re-appear, and the rejoicings, in dancing, singing and feasting, commence, which last twenty-four hours, after which the married pair are conducted in triumph to the house of the husband. These are the customs observed in *Candia* when only one man is married. But when there are several brothers married to the same woman, the only part of the ceremony rigorously adhered to is, the joining the thumb of one of the men to that of the woman. The other part of it may be dispensed with.

PROSTITUTION, as a profession, is permitted: it is even respected, and is called *Vaissia Darmi*. *Darmi* means *trade, state, employment*. It is, however, liable to some very inconvenient restrictions. If a man appear before a woman of the above description, and declare he will marry her, giving her at the same time a ring, a flower, or some other thing, as a token of his sincerity, she must remain faithful to him, though he should abandon her for years, and leave her without the means of subsistence. SAKREIA one day transformed himself into an old man, and going to a *Vaissia*, to try her, made her the necessary declaration, gave her a flower, and disappeared. At the end of twelve years, the poor woman, who with the greatest difficulty had supported herself, prayed to heaven in a strain of grief, that he who had given her the flower she then held in her hands might return. At that instant SAKREIA appeared in all his glory, congratulated her on her fidelity, and blessed her with affluence.

DIVORCE.

DIVORCE can take place without any form or process,

cess, at the will of the parties. If the husband or husbands be not satisfied with their wife, he or they return her the effects she has brought in marriage, and repudiate her. In the same manner, if the woman be discontented, she insists on withdrawing herself, and returns whatever she may have received in marriage. When the parties are not agreed as to the divorce, the Judge or *Dessace* interferes, and generally annuls the marriage when he cannot reconcile them.

DRESS.

THE dress of the grandees of the court, is not so majestic as that of the Turks or Persians, nor so elegant as that of the Indians; yet it is striking and pleasing. The hip is covered with a large coloured cloth descending and folded in such a way before, as to prevent any obstruction to the motion of the legs; this cloth is called *Pano*: Over this, they wear a kind of petticoat of fine muslin (called *Joupeti*) with a gold border folded up in the way of the cloth. A box made of paste-board is placed round their bellies, the projection of which it increases five or six inches. This box contains a handkerchief, watch, and other little articles. Their servants always carry their betel, chunam, and nuts of areka. A large sash with a gold border ties up the whole: it is called *Ottou Katchie*. The upper part of the body is covered with cloth worked in gold, or variegated silk, or plain white muslin. The sleeves are always stuffed above with cotton, in order to make the higher part of the arm appear thick. This they call *Otte*. Over their shoulders is a large ruff, in the Spanish fashion, which they call *Maute*. On their heads they wear a small round hat, which they call *Topi Raloué*; it is made of paste-board, and is covered with a piece of red cloth having a gold border, and sometimes of white muslin. This dress appears to have been partly introduced

introduced by Europeans. The ruff and coat are to be seen in many of the portraits of the 16th and 17th centuries; and the covering over their hips, resembles the large Dutch breeches of those days. They have two kinds of slippers, one made of leather or ornamented cloth, and turns at the end; the other is a piece of wood, about the size of the foot, raised from the ground by the means of two supporters a few inches in height; near the end of it are two small curves, between which they place the great toe. They never use slippers where there is ceremony.

THOSE that are of an inferior rank to the first class of courtiers, only wear the lower part of the dress; it being strictly forbidden them to cover the upper part of the body.—The *Vellale* cast has the privilege of wearing a white hat.—The petty chiefs of the other casts can wear black hats.—The people of low cast cannot wear a petticoat, but simply a piece of white cloth, which is not to reach below the knees.—Their head is uncovered.

THE women of the lower orders wear a petticoat of white cloth, which passing between their legs, is thrown over the right shoulder, and is fastened to the ligature about the waist: It has a very pretty effect. This is the dress in *Candy*.—In that part of the island which is under the European dominion, the black chiefs wear a kind of embroidered surtout, with an immense quantity of large buttons of gold or silver on it.—The women wear a quilted vest of the very worst taste.—The *Singalese* use a large leaf of the *Talegaha* tree to shelter them from the rain; it is called by Europeans *talipot**.—It is made to fold up like a fan. Another species of fan is used in *Candy*; it is a leaf of the same tree, its folds are open, and form a wheel, which is fastened to a stick seven or eight feet in length.—It is only used to keep off the sun. Men in place alone, are entitled to the benefit

* *Licuala spinosa*.

fit of it. There is another fan of the same shape, but smaller, called *Wattapetie*, which serves the same purpose as fans in Europe.—The priests generally carry them.

C A S T S.

THE *Singalese* are divided into four principal casts,

That of the Kings—*RAGIA*.

That of the *Brahmins*.

That of the *Velendes*.

That of the *Tchouderes*.

The two first casts do not exist in *Ceylon*. That of the Kings, is divided into *TCHRESFRI RAGIA VANSE*, *LITCWI RAGIA VANSE*, *AKKAKE RAGIA VANSE*.

The *Brahmins* distinguish the *Vedebrahmine Vanse*, as persons to be solely employed in matters of religion, and in the study of abstract sciences; other *Brahmins* as doctors of physic, and a third class as manufacturers of silks and stuffs.

THE *Velende* cast is divided into *Velende Vanse*, and *Wadighe Vanse*, commonly called *Tchetis*.—The *TCHOUDERES* comprise all inferior casts; white people and *vedas* are of no cast. But as all these are the casts of ancient and fabulous times, they can only be said at present to exist in books.

THE following is the order of casts in *Candy*.

FIRST, *Vellal* or *Goi Vanse*.—The *Vellales* were originally labourers, as will appear from the signification of the words; *vel* means a marshy field, fit for the cultivation of rice, *ale* is desire, fancy, love.—*Vellale* therefore signifies, the attachment of people of that cast to places fit for the cultivation of rice. They were also called *goi-game*, from *goi* labourer and *game* villages. They probably took this name when they united themselves into a small society,
and

and established themselves in the same place. One would be induced to suppose that such a cast must have had its origin in very remote times.—But we find no mention of it in the ancient books.—This little society having increased in power and in numbers, the general term of *goi-gamé* was dropped, and every one took that of *goi-vanse*, meaning the lord labourer.—The *Goi-vanses* or *Vellales* form the first cast in Candy. They alone can hold the high offices of the state. Two casts dispute the second rank, namely, the fishermen, and the *Challias*.—The fishermen or *Karave* cannot be of much importance in *Candy*, as the *Candians* at present can only fish in the rivers of that kingdom.

THE origin of the *Salé** or *Challias* is accounted for in the following manner: A certain number of *Passekarea Brahmin Vahanse* went to live together in a large house on the continent, to carry on a manufacture of stuffs. This house was called *Salé*, and increased to such a size as at last to become a village, which gave rise to the name *Salé-gamé*, that was afterwards given to its inhabitants.—A great number of them were invited over to the Island by three different Kings, VIGE RAGIA, DEVENIPATISSE, and WATIMI. Though at first much esteemed, they had not an opportunity of constantly exercising their talents; the consequence was, these decreased from not being sufficiently employed, their influence fell, and they became labourers, *goi*.—In the reign of WATIMI, they found an opportunity of distinguishing themselves in another way. The Portuguese had just arrived in the Island, and wanted men to peel the

* Is not this the name Σαλίη which Ptolemy gives to the Island of *Ceylon*, as he does that of Σαλαί to the inhabitants? This cast of cinnamon peelers is settled in the southern districts of the Island, and forms the principal part of the population in the neighbourhood of *Point de Galle*.

the cinnamon. They proved themselves in a short time so useful to the Portuguese, who valued nothing in the Island but the cinnamon, that they received the title of *Muha Badé*, the great department, preserving always the name of *salé* without the addition of *gamé*. They extended over a tract of country forty or fifty leagues in length. Some time after, the termination *as*, was given to many casts, such as the *Panneas*, *Hounas*, &c. and in the same way, to the cast of *Salé*, which then became *Saléas*, by corruption *Tchalias*. ADRIAN RAGIA PAKSE MOODILLIAR of *Saléas*, has written a very curious work on the subject of his own cast, in which, several interesting accounts relative to *Boudhism* are also to be found. I shall give, farther on, from his book, an extract made by himself.

NEXT to the *Saleas* and *Káraves*, are the *Jagregors*. Their employment is to extract from the cocoa tree, from the *kitoul* and the *talgaha*, a liquor with which they made black sugar.—The *Hounas* are lime makers.—The *Navandana* work in gold, silver, copper and iron.

THE *Dourave* or *Sourave*, are those who draw the juice from the palm trees, in the same way as the *Jagreros*. They make of this juice *Souri* or *Foddya* liquor, which they ferment and then distil, by which means it becomes arrack. The Europeans call them *Shandos*.

THE *Radave*.—Washermen of the first cast. They wash for the preceding casts, but not for the following.—They are obliged to hang white cloth in the houses which travellers stop at, whenever a person of importance is to pass by.

THE *Kinnavas*.—Winnowing fan makers.

THE *Jamale*, who are to work in the iron mines. There are very few people of this cast.

THE *Radeas*.—Washermen of the second class.

Bereceias.—This cast includes all the players on musical instruments, and those who beat the different kinds of drums.

Ollias, the dancers and the mimics. The first are obliged to be on the road when great people pass by, and accompany the palanquin, for a length of time, by their extravagant steps, which they call dancing. The mimics put on a mask of the devil *Raksas*, who is very formidable here, and dance with the mask on, in order to appease him.

The *Padouas* are carriers of every kind. The *Galle gane palleas*, those who are charged with cleaning the streets.

The *Rodi*, or *Rodias*, are the last and vilest of all the casts. If one should touch a *Rodias* even unintentionally, one is rendered impure. These wretches are obliged to throw themselves on the ground on their bellies whenever they see a *vellala* passing, who gravely walks over them. But nature seems to have come to the relief of these unfortunate beings, by giving to them more beautiful women than to any of the other casts. But many of them are forced into the *harams* of the great, who have laid it down as a rule, that a *Rodias* woman is not impure for the men of superior casts, but only for their wives. This is the order at present of the different casts in *Candy*. It is, however, probable, that formerly the order of casts in this island was not as it now is, but as it exists on the continent. It may be considered singular, that there is not a military cast. But the reason of it is, that all the population belonging of right to the king, every one, let his rank be what it may, is obliged to fight on receiving the king's order. By this means he has as many soldiers in time of war as he can procure arms for. This order of casts is strictly observed in *Candy*. But no individual suffers in the opinion of his cast in doing for himself any work that may be within the particular line of another cast. Therefore a

Vellale may wash his own linen, or fish for his own table; neither is a *Vellale* degraded for cultivating the ground of a man of inferior cast; in the same way as a *Navandane* may make a working tool for a *Rodias*: for there are not two species of *Vellales* nor of *Navandanes*. But, as there are two kinds of washermen, a *Radaxe* would think it beneath him to wash for a *Bereveias*. In the part of the island belonging to the English there is a difference in the casts, but so confused as to make it difficult to give an exact idea of them; the precise line between them not having been drawn in this part of the island. For the last twenty years, the *Salegame*, or *Saleas*, or *Mahabade* have lost, with their privileges, the priority which their greater utility entitled them to over the *Vellales*. There is also another class of inhabitants, of whom many authors have spoken, without knowing any thing about them. They are called *Bedas* or *Vedas*. The *Bedas* are of no cast; but they are not considered as impure, and enjoy, as a body, a certain degree of consideration. They inhabit the woods, and live up in the trees. They feed principally on the game they kill with their arrows, and have the reputation of being good archers. Their bows are remarkably difficult to draw. Their arrows have a piece of iron at the end, six or eight inches long, and about one and a half broad. With these they can kill an elephant by striking him between his eyes, a thing very possible from the construction of the bone about that part. When a *Veda* wants an iron lance, or a tool, which is nearly the only thing he may stand in need of that he cannot procure for himself, he places in the night, before the door of a smith, some honey or game, together with a model of the instrument he requires in wood or earth. In a day or two after, he returns and finds the instrument he has demanded. This good faith and reciprocal confidence prove, at least, that some honesty exists in a country

a country where swindling and robbery are carried to a great excess. They would consider themselves extremely criminal if they cheated a *Beda*, who, from his way of living, can never impose upon them. Once a year the *Vedas* send two deputies with honey and other little presents to the king. When they arrive at the gate of the palace, they send word to his majesty that his cousins wish to see him. They are immediately introduced. They then kneel, get up, and inquire of the king, rather familiarly, about his health. The king receives them well, takes their presents, gives them others, and orders that certain marks of respect be shewn them on their retiring from the palace. These *Vedas* are black, like all the *Singalese*, notwithstanding all that has been said to the contrary. They inhabit the *Wanie*.

DEATHS.

It is recommended by the laws of BOUDHOU to recite some chapters on mortality near a dying man, in which the name of BOUDHOU frequently recurs. If the dying man expire at the instant this name is repeated, his soul is transported into one of the heavenly regions. The law ordains that the body be burnt: but this custom has not been preserved, except among the great. The people entertain an idea that the dead defile a place: they, therefore, get rid of the body immediately by burning it, or carrying it to the neighbouring forest. The house, in which a person may have died, is always deserted for some months, sometimes for ever. The water of the sea is the best to wash away the impurity: and where this cannot be had, they use the water of the stream, cowdung and curcuma. The following custom fills one with horror, particularly as the only cause of it is idleness:—When a sick man is despaired of, the fear of becoming defiled, or of being obliged

to change their habitation, induces those about him to take him into a wood, in spite of his cries and his groans, and there they leave him, perhaps, in the agonies of death. It frequently happens that men, thus left, recover and return to their families, without entertaining the smallest resentment towards their assassins. This atrocious custom is common in the poorer provinces of the kingdom of *Candy*.

MUSIC.

Music appears to have been formerly cultivated in *Ceylon*, and reduced into principles. There are pieces of music to be seen in regular notes, in some of the old books in the Pali tongue. The ancients had seven notes, called *Sa, Ri, Ga, Me, Pa, De, Ni*. The gamut was termed *Septa Souere*. There was no particular sign for these notes; each of them being formed of as many letters as were necessary for their pronunciation. It is very probable that this gamut answers exactly to ours, consequently this would be the way that the beginning of an old minuet, known to all the world, would be written in *Singalese* music: pa ni ri pa ri sa ni dé pa, pa pa pa pa pa.

But as their music, in notes, has been almost entirely forgotten. I have not been able to discover how they used to distinguish the half tones, the crotchets, measures, &c. &c. I have heard that there are two or three persons in *Candy*, who still understand their music by note. But I hope yet to be able to collect something that may give an insight into the ancient music of the *Singalese*. It is in all probability the same as that of the Indians of the continent. Nothing can be more unpleasant than the *Singalese* airs, whether sung or played on either kind of their guitars. Their trumpet produces the most annoying sound I ever heard; yet they are fond

of it to distraction. They consecrate it to the temples and to the king. Its name is *Hoveneve*. Their horn, called *Kombove*, is as unpleasant as the former. They have a kind of hautboy that is not quite as insupportable as their other instruments, and which might, perhaps, in the hands of an able player, be made to give some pleasing tones; it is termed *Nalavé*. They have four species of drums. The first *Daoul* is long and narrow. They beat it with a curved stick, called *Daoul Kadipoue*, and use only their left hand to it. The *Tammetam* is a kind of kettle covered with a skin on the top, and beat with an instrument called *Kaddipow*. The *Rabani* is nearly similar to our timbrel; but it has no bells. They slide the fingers of the right hand on it, and hold it with the left: women play on it also. They place it on the ground, and three or four together beat it in time for many hours together, without being in time. The *Odikie* is the best of all their drums, and is certainly capable of producing a good effect in a piece of music. It is very narrow considering its length. The two extremities of it are tied by catgut strings to the belt, on which the instrument hangs; this belt goes over the shoulder. They squeeze the drum occasionally with the left elbow, and strike it with their right hand. The pressure on the instrument, by stretching it more or less, makes it produce different tones. The *Tammetam* is used in the feasts of the great, and always precedes them in their journeys. It is a necessary part of the music to be played before the temple morning and evening. In fine, it is an essentially necessary instrument upon all occasions that attract the attention and consideration of the public. The *Rabani* is more adapted for the feasts of friends; the *Daoul* is used at all times. But the *Odikie* is the instrument of the men of taste. A player on it is, consequently, paid more liberally than those on the *Daoul* or *Tammetam*.

THE *Singalese* are very fond of hearing songs. A great man, (when travelling,) has often one singer before and another behind his palanquin. They each in their turn sing stanzas of an indeterminate length; as it happens at times that the singer, animated by his subject, gives some verses extempore. The songs are either religious, in which case they extol the virtues of BOU DHOU and other gods; or they are historical, and then they praise the virtuous actions of some of their kings, or relate a love adventure. In all cases the air of the songs is mournful. I have never heard what can be called gay music among the *Singalese*; and I think it would be very difficult to put any into note: for the measure is incessantly changing, and the movement remaining the same, always slow. It is what is generally called the *andanté*.

Abridgment of the History of the CHALIAS, by
ADRIAN RAGIA PAKSÉ, a Chief of that Cast.

1st. AFTER the world had been destroyed, and plunged into obscurity, a *Brahmé* descended from on high, and made it shine with his bright light.

2d. A GREAT number of other *Brahmés* descended at the same time, and inhabited the regions of the air, where they enjoyed perfect happiness.

3d. ONE of these *Brahmés*, wishing to know the taste of the earth, pressed it between two of his fingers, and found it possessed of the sweetest flavour. From that time he and the other *Brahmins* fed on it for the space of 60,000 years, till dreading that it would be entirely consumed, from the great use they made of it, they divided it equally amongst them, that each might be sure of a certain portion; but the unfortunate idea of dividing it destroyed the delicious flavour of the earth.

4th.

4th. After which Chance produced a species of mushroom, called *Mattika* or *Jessathow*, on which they lived for 15,000 years. But being determined to make an equal division of this also, they lost it. Luckily for them, another creeping plant, called *Badrilata* grew up, on which they fed for 35,000 years, but which they lost for the same reason as the former ones.

5th. FORTUNE still remained true to them; for there grew up a large tree called *Kalpéworksé*, of which there is an immense number in *Outourozokou-rozéwipé*. This tree gave them food for 2,200,000 years. But the old idea having crept in among them, it perished.

6th. THEY afterwards lived on an odoriferous grain called *Soïamgiate-el* for 35,000 years, which they lost for the same reason as their former.

7th. THEY then found another grain called *Sowende*, which served them as food for sixty thousand years, at the end of which they were deprived of it.

8th. THESE different kinds of food changed their nature; and from spirits they became matter in a human shape, having bones, flesh, and blood. And having imbibed wicked ideas, they became *hermaphrodites*, and communicated carnally with each other. The consequence was, that they lost all their ancient glory.

9th. SOME of these *Brahmins* disliking the method of living of the others, retired into the woods. There they divided themselves into three sets; one set gave itself the name of *Vedé Brahminé*, and took to the study of the four sciences, called *Tehadourveda*. This set is employed in teaching men virtue, and instructing them in a knowledge of the heavenly doctrine. Another set took the appellation of *Same Brahminé*, and it interests itself about the temporal concerns of men. The last set is called *Peskaré Brah-*
F F 4
miné,

miné, and manufactures gold stuffs; this is the meaning of *Peskaré*.

10th. THEY all assembled and reflected deeply on their ancient glory, which was so great as to have given light to the world: and they repented of the sin which had plunged them into obscurity.

11th. THEY in consequence prayed together, and obtained a new light under the name of *Souria* (sun) which is fifty *yoduns* in circumference. This word, literally, is firmness and wisdom. At the time *Vai-vasvata* (son of the sun) appeared in all his beauty and happiness. * Thirty hours after, the sun set, and the light was turned into darkness. They again prayed, and obtained another luminary, called *Chandria* (moon), and which signifies *reunion*, and has forty-nine *yoduns* of circumference.

12th. THEN they were obliged to labour for their bread, and they began to steal from one another. In this predicament they elected a chief, and agreed that whatever punishment he should decree, they would enforce. This chief was that splendid, beautiful, and perfectly happy being, the son of the sun. They called him MAHA SAMETTE, meaning the grand or unanimous election; and they appointed him king 4,320,000 years after the descent of the *Brahmés* from the aerial regions.

13th. FROM him have descended all the *Maha Samette*, the cast of kings, which has been divided into five casts equally eminent. The first, called *Sourie Vanse*; the second, *Litché Viragie Vanse*; the third, *Katchieragie Vansé*; the fourth, *Sakera-gia Vansé*; the fifth, *Okkakeragie Vansé*. These five casts have always filled the station of sovereigns.

14th. THE *Hermaphrodites*, of whom we have spoken

* The *Singalese* divide the *nycthemeron* into sixty hours, thirty for the day, and thirty for the night.

spoken (No. 8) produced two casts; the *Velendes*, who knowing nothing of agriculture, took to trade, and are now called *Tchirtes*; and the *Vadighé*, distinct from the former, but also traders. All the other *Brahmés* were called *Tchouderés*, a general term for all inferior casts.

15th MANY books, such as the *Dampouavé*, the *Attouavé*, and the *Nekalikavé* speak of *Peskare Brahmines* who were kings. The book *Sedipekave* taken from the *Southsethré*, and the *Sonnanameke*, written by the king MELIDOW, establishes the order of casts in the following manner: *Kings, Brahmines, Chittis, Grahapatis*. Thirty-five *Peskaré Brahmines* were kings in the country of *Dambedive* (the continent) and the lands annexed to it, such as *Makhandé, Mahapatounu, Kasi, Gadahare, Kourou, and Sou-loupatounou*. Here follows the manner in which *Ceylon* became inhabited. *Ceylon* is a small island, at a little distance from *Dambedivé*, about one hundred *yoduns* in circumference. It was for many years a savage island, and was inhabited by devils. A descendant of the first king of *Dambedivé* MAHA-SAMETE arrived there. He was called VIGE KOU-MAREA, and was the son of VAGOWRAGIA. This prince VIGE had acted very unjustly towards his father's subjects. And his father, recollecting that BOUDHOU had foretold that his son VIGE would be king of *Ceylon*, made him embark with 700 giants, and ordered them all to go in search of the island of *Ceylon*. They departed with a fair wind for the mountain, *Suman cle Sripade*, which they perceived at a distance, and lauded at *Tamine* in the *Wany*. VIGE destroyed all the devils, and cultivated the lands. He then sent large presents to the king of *Paundi*, whose daughter he demanded and obtained in marriage. The princess brought 700 young girls with her, and servants and artists of every description. The 700 giants married the 700 girls; VIGE wedded the princess, and declared himself king.

Some

Some time after, VIGE RAGIA made other presents to his father-in-law, who, in return, sent him some *Péskare Brahmines*. VIGE received them well, granted them lands and honours, and they employed themselves in making magnificent gold stuffs for the king and queen. He died after thirty-eight years reign. The descendants of these *Péskare Brahmines* neglected the art, gave themselves up to agriculture, and lost the name of *Péskare* with their talent. While the king, DEVENIPETISSE, reigned in *Ceylon*, the king of *Dambedivé*, DHARMASOUKÉ, sent him the holy tree, called *Snemahabodhienrahunse*, and 100 *Péskare Brahmines*, on whom he heaped riches and honours. DEVENIPETISSE received them with attention, and granted them greater honours than they had received from DHARMASOUKÉ. The *Péskares* manufactured stuffs for the king, but, like their predecessors, soon lost their art, and took to agriculture. Another king of *Ceylon*, called VIGE SAVAKKREMEBAHOW, (also called VATIMÉ,) sent presents to the king HOLIÉ, and obtained several from him, and several *Péskare Brahmines*, to whom he gave rubies, pearls, elephants, lands, slaves, &c. The descendants of these are called *Saleas Gamé*. It is said in the book *Saliegesoutré*, that they lived in the village *Saleagamé*. which means the village of houses or buildings. This village was afterwards called *Chelow*. This place gave the name afterwards to the cast: some Europeans shortly after arrived in *Ceylon*, who employed the *Péskare Brahmines* or *Saleagamé* to gather cinnamon. And as this was the most valuable article in the island to the Europeans, they called the department which furnished it *Mahabade*. *Bade* signifies tax; therefore *Mahabade* means great tax.

It is certain that the *Saleas*, at present called *Challias*, descend from a very high cast, and that they have always been held in great estimation; having, except in late times, been constantly exempted

empted from paying taxes, and enjoyed great honours.

ALL that we have said is to be found in the following books.

LIST OF BOOKS.

Dirghinekaie, or *Diksanghie*.—An extract from the laws of BOUDHOU. (*Pali*.)

Angothrinekaie.—Another extract more copious. (*Pali*.)

Saniouthnikaie.—A collection of the writings of BOUDHOU. (*Pali*.)

Giatekeathooravé.—A very ancient description of the transmigrations of BOUDHOU, divided into 550 books. (*Singalese*.)

Sare Sangrehe.—History of BOUDHOU written by a wise man; very much esteemed. (*Singalese*.)

Darma Predipikave.—*Darma* signifies a collection of the laws of BOUDHOU. *Predipikave* demonstrates that the author is a doctor, (named GOURONLOGOMI;) it is a kind of commentary. (*Sanscrit*,) *Pali*, *Singalese*.

Soumanghele Vīla Sininam othouave.—An explanation of the sacred rejoicings. (*Pali*.)

Vanse Dipikave.—The candlestick of the higher casts: by a king named MILIDON.

Balavetare.—A grammar of the *Pali* language. *Balé* ignorant; *avetare* that instruct.

Pali Nigandoo Sanné.—A *Pali* and *Singalese* dictionary. *Nigandoo*, dictionary; *Sané*, translated.

Pali Date-mangiusé.—A collection of *Pali* verbs. *Daté*, verb; *mangiusé*, chest.

Pali Nigandoo.—A *Pali* dictionary.

Ragia Ratnakere.—History of the kings of Ceylon. *Ragia*, king; *Ratnakere*, sea.

Sarasvatti Viakarene Potte.—A Sanscrit grammar, the explanation of which is also in Sanscrit. *Sarasvatti*,

vatti, the goddess of science ; *Viakarene*, grammar ; *Potte*, book.

Pali Sabdemalave. A collection of *Pali* names declined, and translated in *Singalese*. *Sabde*, name ; *malave*, chain.

Pane Daham Potte. Explanations of BOUDHOU. *Pane*, discourse ; *Daham*, religion ; *Potte*, book.

Poogia Vallie. History of offerings made to BOUDHOU. *Poogia*, offerings ; *Vallie*, a creeping plant.

VERTICAL SECTION OF A SARWELLE.

Plate 15.

*Make Mrs—
Fargnoli.*

Circumf.

10000 Tachurs.

high-end textures

Frugandere:

Isedare:

invite."

Fourth.

Hells.



*CHRONOLOGICAL TABLE of the Moghul Emperors, from
being from A. F.*

By LEW.

Title.	Father's and Mother's Name.	Date and Place of Birth
Tymoor, First.	Father, Umeer Turagha, &c.—Mother, Tukeenu Khanum.	Born in the town of Kōban, Anno Hegiræ, 736—Bulakh, Wednesday, 12th
hah Juhān.	Father, Umeer Tymoor.	Born in the city of Sum Rubee, coossance, A. H. 76 17th Shaban, A. H. 807, and Sumurqund.
Sooltan ud	Father, Meeran Shah,—Mother, Mihr nosh.	Born. Crowned 24th Zeeqad, of Sumurqund.
boosn'.	Father, Sooltan Moohummud Mirza.	Born A. H. 837, in the Crowned A. H. 855, in
Omur za.	Father, Sooltan Uboos, &c.	Born in Indjan, in Sumur Crowned in Indjan, in F
Suheer- Firdous.	Father, Omur Shykh Mirza,—Mother, Qootlooq Nigar Khanum, daughter of Yoonus Khan, of the family of Chungez Khan.	Born in Furghanu, 6th Crowned between Indjan, A. H. 899.
oon, leen, ce, anee.	Father, Baboor,—Mother, Mahum Begum, Grand-daughter of Uhmud Jam.	Born in the fort of Kal gad, A. H. 913. Crowned at Ukkurabad ooluwul, A. H. 937.
alood- ashee.	Father, Hooma, yoon,—Mother, Humeedu Banoo Begum, Grand-daughter of Uhmud Jam.	Born in the fort of Um Lahor, Sunday, 5th Rujul Crowned in the Eedgah of Lahur, Friday, 5th R
r, Noor Junnut	Father, Ukkur,—Mother, the Daughter of Raja Biharee Mul.	Born in the town of I Soebu of Ukkurabad, W ooluwul, A. H. 977. Crowned Thursday, A. H. 1014, in the fort of
in, Shu- n, Fir- anee.	Father, Juhangeer,—Mother, Jot Da ee, Daughter of Raja Malduno, Boondela.	Born in the city of Lah bee, ooluwul, A. H. 1000 Crowned in the fort of Jumadee, coossance, A. H.



*CHRONOLOGICAL TABLE of the Moghul Emperors, from
being from A. E.*

By LEW.

Title.	Father's and Mother's Name.	Date and Place of Birth
Tymoor, 1st, Fir- an.	Father, Umeer Turagha, c.—Mo- ther, Takeerü Khanum.	Born in the town of Ko ban, Anno Hegiræ, 736— Bulukh, Wednesday, 12th
Shah Ju-	Father, Umeer Tymoor.	Born in the city of Sum Rubee, cossanee, A. H. 76— 17th Shaban, A. H. 807, and Sumurgund.
Sooltan and	Father, Meeran Shah,—Mother, Mihri noosh.	Born. Crowned 14th Zeeqad, of Sumurgund.
Boosü'-	Father, Sooltan Moohummud Mir- za.	Born A. H. 837, in the Crowned A. H. 855, in
Omur za.	Father, Sooltan Uboosü ced.	Born in Indjan, in Sum Crowned in Indjan, in I
Zuheer- Firdous	Father, Oomur Shykh Mirza,— Mother, Qootlooq Nigar Khanum, daughter of Yoonus Khan, of the fa- mily of Chungez Khan.	Born in Furghann, 6th Crowned between Indjan zan, A. H. 899.
Yoon, deen, ance, an- ce.	Father, Baboor,—Mother, Mahum Begum, Grand-daughter of Uhmud Jam.	Born in the fort of Kal qad, A. H. 913. Crowned at Ukburabad ooluwul, A. H. 937.
ulalood- ashce,	Father, Hooma, yoon,— Mother, Humcedu Banoo Begum, Grand- daughter of Uhmud Jam.	Born in the fort of Um Lahor, Sunday, 5th Ruja Crowned in the Eedgah of Lahoor, Friday, 5th R
er, Noor, Junnut	Father, Ukbur,— Mother, the Daughter of Raja Biharee Mul.	Born in the town of I Soobu of Ukburabad, W ooluwul, A. H. 977. Crowned Thursday, A. H. 1014, in the fort of
lan, Shu- en, Fir- ance. Boondela.	Father, Juhangeer,—Mother, Jot Ba ee, Daughter of Raja Malduno, Boondela.	Born in the city of Lah bee, ooluwul, A. H. 1000 Crowned in the fort of Jumadee, cossanee, A. H.

Name and Title.	Father's and Mother's Names.	Place and Term of Reign.
Uorungzeb, Mo- hee, ooddeen, and Alumgeer, Khoold munzil.	Father, Shah Johan, — Mother, Moom taz muhi, the daughter of Asufkhan.	mausoleum of Shykh 8 kos from the city
Moohummud A- zim Shah.	Father, Uorungzeb, — Mother, Bano Begum, daughter of Shah Nuw Khan.	of Hoomayoon Bah 20 days, in the fort of
Buhadoor Shah, Shahalum, Khoold munzil.	Father, Uorungzeb, — Mother, Nuwwab Baze.	Dihlee, near the tomb Hindoostan.
Moohummud Ju- handar Shah Moo- izzooddeen.	Father, Buhadoor Shah.	before the mausoleum of 15 days.
Moohummud Furrookhsee, ur, Shahi Shuheed.	Father, Uzeemoosh-shan, the son of Buhadoor Shah.	the mausoleum of Hoo-
Rufee, ood durjat.	Father, Rufee, oosh-shan, the son of Buhadoor Shah, — Mother, Nu- roon nisa Begum, the daughter of Shykh Nujum Baghu.	in of Hoomayoon. 10 days.
Rufee, ood duolu.	Father, Rufee, oosh-shan, the son of Buhadoor Shah.	in of Hoomayoon. 28 days.
Moohummud Shah, Roshun Ukh- tur, Firdous Aram- gah.	Father, Johan Shah, the son of Buhadoor Shah, — Mother, Nuw Qoodsee, u.	before the mausoleum of 10.
Uhmud Shah.	Father, Moohummud Shah, — Mother, Ood, hum Baze.	Que of Qudumi Shureef, in of Muree, um Muk-
Alumgeer, Uze- zooddeen, Urah- munzil.	Father, Moohummud Johan Shah, — Mother, Umoop Baze.	before the mausoleum 8.

N. B. Though the writer did not possess so much nearer
Mr. GILCHRIST's than Sir W. H. L. latter.

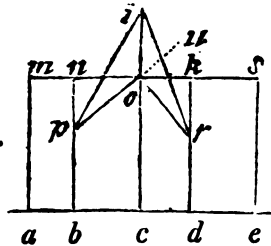
XVII.

**DEMONSTRATION of the 12th Axiom of the
first book of EUCLID.**

BY THE REV. PAUL LIMRICK.

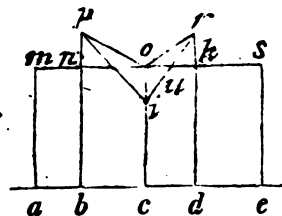
Prop. 1, Fig. 1, 2.

Fig. 1.



IF two right lines, ma and oc , be equal and perpendicular to the same right line ac , and a right line mo be drawn joining their terms; a perpendicular nb , let fall, from any point n , in the line mo , upon the line ac , is equal to $ma = co$.

Fig. 2.

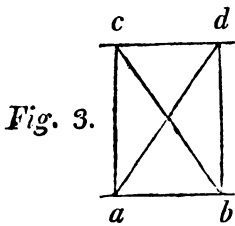


PROOF, nb cannot be greater than ma , nor less than it.

PRODUCE ac , till $ce = ac$; erect a perpendicular $es = am$, draw the right line os , take $cd = ab$; erect a perpendicular dk . Now, if the figure $maco$ be applied to $oces$ so that the point a may fall upon c , and the line ac on ce , the point b will fall upon d , and c upon e ; and since the angles at a , b , c , d , and e are

e are all right angles, ma will coincide with co , nb with kd , and oc with se , but $ma=co=se$ by construction; therefore the point m will coincide with o , and the point o with s , therefore the line mo will coincide with os ; but the line bn coincides with dk , therefore the point n will coincide with k : therefore $bn=dk$. Now if nb be supposed greater or less than ma , take $bp=am=oc=dr$, take $oi=pn$, draw the right lines pi, po, ri, ro : now it is obvious, from the construction, that the figure $p b d r i$ may be placed upon the figure $o c a m n$, so that the points p & o , b & c , d & a , r & m , and i & n shall coincide; but the points o, n, m , are in one right line; therefore the points p, i, r , are also in one right line; therefore pi, ir , form one right line: now produce po , and it must meet ir in some point as u ; and therefore two right lines piu, pou would include a space, which is absurd. Therefore nb cannot be greater nor less than ma : therefore $nb=ma$ Q E D.

Prop. 2d, Fig. 3d, 4th, 5th.

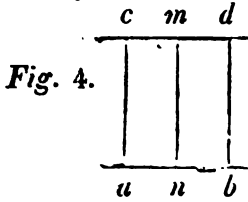


If two equal right lines $a c, b d$, be perpendicular to the same right line $a b$, and a right line $c d$ be drawn joining their terms; 1st. The angles $a c d, b d c$ will be equal; 2dly, the angles $a c d, b d c$ will be right angles; and 3dly, the right line $c d$ will be equal to $a b$.

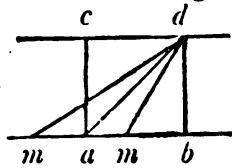
Draw the right lines $a d, b c$: in the right angle triangles $c a b, d b a$ the sides containing the right angles are equal by construction, therefore (by 4. 1.) $ad=bc$, therefore the triangles $a c d, b a c$ are mutually equilateral, therefore the angles $a c d, b d c$, which are opposed to the equal sides $a d, b c$, are equal (by 8, 1.)

2dly.

2dly. FROM any point m , in the line cd , let fall a perpendicular to the line ab : by the 1st proposition, $mn = ac = bd$; therefore, by the foregoing part, $nmc = acm = bdm = nmd$: nmc, nmd are right angles: consequently acd, bdc are also right angles.

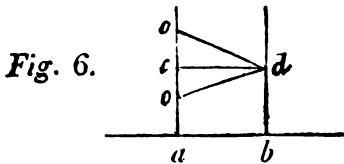


3dly. DRAW the right line da ; the angle acd is a right angle by the 2d part, and therefore equal to abc ; and the sides ac, bd are equal by construction; now if ab be not equal to cd , take bm either greater or less than ab , which shall be equal to cd ; and draw the right line dm , and since acd is a right angle, by the foregoing part, and therefore equal to abd , and $ac = bd$ by construction, and also $dc = bm$ by supposition; dm will be equal to da (4, 1,) and therefore the angle $dma = dam$ (5, 1,) but dma is an obtuse angle (16, 1,) therefore two angles of a triangle would be greater than two right angles, contrary to 17, 1, of the Elements; therefore ba cannot be greater nor less than dc : $cd = ab$. Q. E. D.



Prop. 3d. Fig. 6.

IF two right lines ac, bd , be perpendicular to the same right line ab ; and from any point c , in one line, be drawn cd , perpendicular to the other; $ac = bd$, and therefore $cd = ab$. and the angle acd a right angle.



SUPPOSE

448. DEMONSTRATION OF THE 12TH AXIOM

SUPPOSE ac to be greater or less than bd , take $ao = bd$ and draw do : now, since $ao = bd$, $bd o$ will be a right angle (prop. 2) and therefore equal to bdc , which is impossible: ac cannot be greater nor less than bd : $ac = bd$, and therefore (by the foregoing proposition) $cd = ab$ and acd a right angle. Q E D.

Prop. 4.

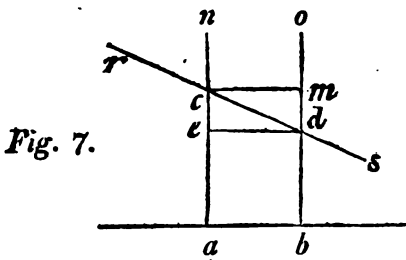


Fig. 7.

IF two right lines, an , bo , perpendicular to the same right line ab , be cut by a right line rs ; the alternate angles will be equal; the external angle equal to

the internal remote angle on the same side of the cutting line; and the two internal angles, on the same side, equal to two right angles.

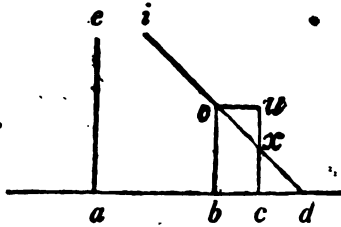
IF the cutting line rs be perpendicular to one of the given lines, it will be perpendicular to the other (by the foregoing prop.) and therefore all the angles right, and consequently equal.

IF the cutting line rs be not perpendicular, draw the perpendicular cm , de ; by the former proposition $cm = ab = ed$; also the angle mde a right angle; $\therefore$ by the 2d prop. $ce = md$: the triangles ced , cmd , are mutually equilateral; and therefore (8. 1.) $ecd = cdm$; and consequently their complements ncd and bdc are equal; again $bds = rdo = acs$; again $acd + bdc = mdc + bdc =$ to two right angles. Q E D.

Prop.

Prop. 5, Fig. 8, 9, 10.

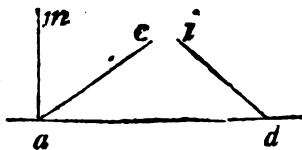
Fig. 8.



If two right lines, ae, do , stand upon a right line ad , so that the two internal angles ead, odb are less than two right angles, the lines ae, do , produced on the same side of ad , shall meet. N. B. This is the 12th axiom of the 1st book of Euclid.

1st. LET one of the lines, ae , be perpendicular to ad , and consequently the angle ida acute (by supposition) from any point x , in the line di , let fall a perpendicular xc , meeting ad in c ; take $xo = dx$; produce cx ; draw the perpendiculars ob, ou . Now in the triangles oru, dxc , the angles at x are vertical, and those at u and c right angles, and the side or equal to xd , $\therefore cd = ou$. (26. 1.) $= bc$ (prop. 3d.) therefore, if from the line du be taken parts equal to cd , till the whole be exhausted, and from di produced be taken the same number of parts $=$ to dx , and right lines be drawn from the several points of division in di to the corresponding points of division in ad , these lines will be all perpendicular to ad , but the last of them either coincides with ae or falls beyond it: di must meet ae .

Fig. 9.

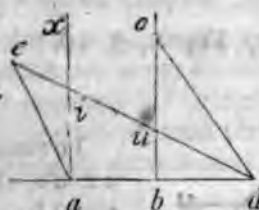


If both the lines ae, di form acute angles with ad , erect the perpendicular am : by the last case di must meet am , and therefore must first meet ae .

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Fig.

Fig. 10.



If the angle edo is obtuse, erect perpendicular ax , angle $edo = xad + odo$, less than two

right angles: therefore oda is acute, and therefore di must meet ax . (1st case) suppose in i , take $du = ai$ let fall a perpendicular ub , produce ub till it meet do (2nd case) take $ae = do$ and draw the right line ei the triangles eai and odu , $ea = do$. and $ai = du$ by construction; and these sides contain equal angles $\angle eai = \angle udo$ therefore (4, 1) $ae = du$ and $ai = du$ therefore $ae + aid$ are equal to two right angles, $\therefore$ ae and aid are one right line, $\therefore$ du and ae meet in e .

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XIX.

An Account of the BAZEEGURS, a sect commonly denominated NUTS.*

BY CAPTAIN DAVID RICHARDSON.

A PERUSAL of Grellman's dissertation on the *Gipsies* of Europe, in which this country is considered as having given birth to that wandering race, induced me to commence an inquiry into the manners of a people in *Hindoostan* denominated *Nuts*, whose mode of life seemed somewhat to assimilate with his description. It is my intention, should this, my first endeavour, meet with approbation, to pursue this line of investigation still farther, and from time to time I may be enabled to bring forwards short sketches of the tribes within the Company's provinces, who, being in other respects too insignificant for the pages of the historian, may have hitherto been passed over unnoticed, although many of their usages and ceremonies may still merit a detail, as detached facts in the general history of mankind. Strictly speaking, these people might be denominated *players* or *actors*, from their Persian name of *Bazee-gur*, which may be literally rendered a *juggler* or *tricker*; but the appellation of *Nut* extends to several tribes, and properly belongs to many more; each party having branched out and formed itself into a distinct sect, agreeably to the habits of life or modes of subsistence which necessity and local circumstances may have induced them to adopt, as their own peculiar calling or art.

The Bazeegurs are subdivided into seven casts, viz. the *Charee*, *At h bhyeca*, *Bynsa*, *Purbuttee*, *Kal-*
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koor

* For the following and other explanatory notes, I am indebted to the kindness of a friend.

koor, *Dorkinee* and *Gungwar*; but the difference seems only in name, for they live together and intermarry as one people; they say they are descended from four brothers of the same family.

They profess to be *Moosulmans* *, that is, they undergo circumcision, and at their weddings and burials a *Qazee* and *Moolla* attend to read the service; thus far and no farther are they *Moosulmans*. Of the prophet they seem to have little knowledge, and though in the creed which some of them can in distinctly recollect, they repeat his titles, yet when questioned on the subject, they can give no further account of him, than that he was a *Saint* or *Peer*. They acknowledge a God, and in all their hopes and fears address him, except when such address might be supposed to interfere in *Tansyn's* department, a famous musician who flourished, I believe, in the time of *Ukbur*, and whom they consider as their tutelary

* A person well versed in the Eastern languages, will often be able to tell the nation to which any professional man really belongs, from the name he assumes as such. When a *Sonar* or goldsmith is termed *Zurgur* or *Sadu-kar*, he will in general be a *Moosulman*, and in this way we meet with *Joolaba*, *Mochee Durzee*, *Hujam*, *Qisukhan*, *Mooswurvir*, *Mee-anjee*, instead of the *Hindoo* words *Tantee*, *Chumar*, *Socjee*, *Nagee*, *Kutukuk*, *Pande*, *Cbitera*, for a *Weaver*, a *Shoemaker*, *Taylor*, *Barber*, *Story-teller*, *Schoolmaster*, and *Painter* in succession. The word *Hulalkor*, which is applied to a *Sweeper*, generally indicates the same discrimination of a *Moosulman*, as *Bhungee* does to a *Hindoo*; a truth which the two nations acknowledge with great reluctance. The reason is obviously founded on that *pride* of *cast* which they both support, often at our expence. In this instance they will stoutly deny the fact stated here, unless the inquirer knows enough of the language to call a *Hulalkor* before them if *Moosulmans*, and desire him to repeat his creed, &c. In this and the other duties of *Islamism*, they are no doubt often so defective that we cannot venture to affirm they are orthodox *Moschummudans*, any more than we can vouch for the *Bhungees* being perfect *Hindoos*; all we dare in candour allege, being, that these people respectively lean, in their belief, worship and manners, much more to the one religion than the other, as the text will elucidate in the *Narr's* history before us. It is a curious enough circumstance, that there are certain employments here engrossed almost exclusively by the *Moosulmans*; among these the *Bibishteas* or *Suggas* who carry water, and the *Suties* or *grooms* may be enumerated as the most prominent.

tutelary deity; consequently they look up to him for success and safety in all their professional exploits. These consist of playing on various instruments, singing, dancing, tumbling, &c. The two latter accomplishments are peculiar to the women of this sect. The notions of religion and a future state among this vagrant race, are principally derived from their songs, which are beautifully simple. They are commonly the production of *Kubeer*, a poet of great fame, and who, considering the nature of his poems, deserves to be still better known *. On every occasion

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sion

* He was a weaver by trade, and flourished in the reign of *Sher Shah*, the *Cromwell* of Indian history. There are, however, various and contradictory traditions relative to our humble philosopher, as some accounts bring him down to the time of *Ukbur*. All, however, agree as to his being a *Soofee* or *Deist* of the most exalted sentiments, and of the most unbounded benevolence. He reprobated with severity the religious intolerance and worship of both *Hindoos* and *Moojulgans*, in such a pleasing poetic strain of rustic wit, humour, and sound reasoning, that to this day both nations contend for the honour of his birth, in their respective sects or tribes. He published a book of poems that are still universally esteemed, as they inculcate the purest morality, and the greatest good will and hospitality to all the children of Man. From the disinterested yet alluring doctrines they contain, a sect has sprung up in *Hindoostan* under the name of *Kubeer-punt hee*, who are so universally esteemed for veracity and other virtues among both *Hindoos* and *Moojulgans*, that they may be with propriety considered the *Quakers* of this hemisphere. They resemble that respectable body in the neatness of their dress and simplicity of their manners, which are neither strictly *Moohummudun* nor *Hindurwee*; being rather a mixture of the best parts of both. A translation of *Kubeer's* works, with the life of that sage, and an account of his followers, relative to their tenets and societies, remain still as desiderata in the history of India. The time of *Kubeer's* death seems involved in equal obscurity with the manner of his decease and burial. They relate that he lived a long time at *Kafee*, near *Gya*, and sojourned also at *Jugurnath*, where he gave great offence to the *Brubmans* by his conduct and tolerant doctrines. When stricken in years, he departed this life among a concourse of his disciples, both *Moojulgans* and *Hindoos*. They quarrelled about the mode of disposing of his remains, which were placed in another apartment during the dispute. The *Moojulgans* were, it is alleged, victors, and buried him accordingly. The *Hindoos* affirm, however, that his body during the altercation disappeared, and a *Lotos* flower was found in its stead, which they have carefully preserved. Be this as it may, it is certain

sion of doubt they have a quotation ready from their favourite bard ; and in answer to my queries respecting the state of the soul after death, one of them repeated the following stanza :

Mun moona nu ma,e,a moo'ee mur mur gu,e sureer,
Asa tishna nu moo'ee kuh gu,e das *Kubeer*.

من موانه مايا موي' مر مر گئر سرير
آسا تشنا نه موي' که گئر داس کبير

These lines in that philosopher's works are said to be more correctly written so,

Ma'ca muree nu mun mura mur mur gya sureer,
Asa tisna na mitee yon kuth gu,e *Kubeer*.

مايا مري نه من مرا مر مر گيا سرير
آسا تشنا نامتي بون کته گئر کبير

Which may be thus rendered,

Nor soul nor love divine can die,
Although our frame must perish here,
Still longing hope points to the sky ;
Thus sings the poet *Das Kubeer*.

They conceive one spirit pervades all nature, and that their soul being a particle of that universal spirit, will of course rejoin it, when released from its corporeal shackles.

At all their feasts, which are as frequent as the meaus will admit, men, women, and children drink to excess. Liquor with them is the *summum bonum* of life ; every crime may be expiated by plentiful libations of strong drink : whence it follows that any person

certain that his name is held in great veneration by these two very different people ; those called Kubeer-punt,hee seem nevertheless to have rather more of the *Hindoo* than *Moosulman* in their composition, which so far decides the contest in their favour.

person who has accumulated property, is soon considered as a culprit, and a charge being brought against him, the complaint is carried before a Pancha, et *, when the business commonly concludes by his being obliged to provide a lethean draught for the fraternity to which he belongs. This is an exact recital of what happened to two men who waited upon me, and to whom I gave a trifling present. It was found that they had communicated to me some information which ought to have been concealed, and they therefore, in addition to the ordinary fine, underwent the peculiar punishment of having their noses rubbed upon the ground.

Though professing *Islamism*, they employ a *Bruhmun*, who is supposed to be an adept in astrology, to fix upon a name for their children, whom they permit to remain at the breast till five or six years of age. It is no uncommon thing to see four or five miserable infants clinging round their mother and struggling for their scanty portion of nourishment, the whole of which, if we might judge from the appearance of the woman, would hardly suffice for one. This practice, with the violent exercises which they are taught in their youth, and the excessive and habitual indulgence in drinking intoxicating liquors, must greatly curtail the lives of these wretched females. Their marriages are generally deferred to a later period than is usual in this climate, in consequence of a daughter being considered as productive property to the parents, by her profes-

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sional

* The derivation of this word from *panch*, *five*, admirably illustrates the ancient practice, as well as the necessity, of a casting voice or majority, in all judicial assemblies of a limited number, and proves alone, with numerous other instances of the same kind, how indispensable a knowledge of languages is, to the observing traveller and intelligent historian. Had all those who have written on Indian affairs hitherto, viewed this subject with the eyes of an *Eton*, we should not have so much to unlearn as we now must, in every matter of importance here. Whoever peruses his excellent account of *Turkey*, will see the force of the present remark, and apply it accordingly.

sional abilities. The girls, who are merely taught to dance and sing, like the common *Nach* girls of *Hindoostan*, have no restrictions on their moral conduct as females; but the chastity of those damsels whose peculiar department is tumbling, is strictly enjoined, until their stations can be supplied by younger ones, trained up in the same line. When this event takes place, the older performers are then permitted to join the mere dancers, from among whom the men, though aware of their incontinence, make no difficulty of selecting a wife. After the matrimonial ceremony is over, they no longer exhibit as public dancers. A total change of conduct is now looked for, and generally, I believe, ensues. To reconcile this in some manner to our belief, it may be necessary to mention, that contrary to the prevailing practice in India, the lady is allowed the privilege of judging for herself, nor are any preparations for the marriage thought of till her assent has been given, in cases where no previous choice has been made.

There are in and about the environs of Calcutta, five sets of these people, each consisting of from twenty to thirty, exclusive of children. There is a *Surdar* to each set, one of whom is considered as the chief or Nardar Boutah, at this station; the name of the present is Munbhungee*, which in one sense of the word, may be translated *Eon Vivant*, or *Jovial Soul*; and it is probable, his social qualities may have obtained for him his present exalted situation as well
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* The hemp plant, well known here as an intoxicating drug, under the name of *b, bung* corrupted to *bang*, is probably the word whence *b, hungee* is derived, as this is often a term of reproach like our *drunkard*, *rot*, &c. applied to those who indulge in the various preparations of this pernicious vegetable, named *subzee*, *ganja*, *cburni*, &c. *Mun* expresses the Latin *mens*, *mind*, and is the root of many common *Hindustanee* words. From it the name of *Munoo* (Menu) the famous Hindoo law-giver, is regularly formed, and might be translated *Intelligence*, *The being*, &c. It is frequently used as a term of endearment to *Children*, *Monkies*, &c. like our *Jackey*.

as title, which in reality appears to be rather a *Hindoo's* than a *Mosulman's* appellation.

The extraordinary feats of agility which the women of this set exhibit, are so well known as to render any description unnecessary. They have no regular habitations, being contented with temporary huts, formed of the *Hoogla** or *Sirkee* mats, and when they have occasion to change their stations, it is attended, as may easily be imagined, with but little trouble, both house and furniture would hardly be a load for one person.

The people of each set are, like our actors, hired by the *Surdur* or manager of a company for a certain period, generally one year; after which, they are at liberty to join any other party. No person can establish a set without the sanction of the *Nardar Boutah*, who, I believe, receives a † *chout* of the profits,

* The first appears to be of the *flag*, or sedge kind, of great use for slight enclosures and for lining straw and tiled roofs, either to mitigate the heat of the sun, or to give the inside a finished appearance. After the conflagrations so common in all parts of India, the poor sufferers generally have recourse to the *Hoogla* or *Sirkee*, with which they shelter themselves in temporary habitations from the weather. It is possible enough that the far famed harbour of *Hooglee* derives its name from the banks of the river (which we have termed the *Hooglee* also,) having been at that place in days of yore overgrown with this very plant, which is seldom if ever met with in the interior or higher parts of *Hindoostan*. This supposition derives weight from *Hijlee*, the place we absurdly name *Ingellee*, being famous for the production of a tree termed *Hijul*, a compound probably of *bee* life, and *jul* water, to denote the soil it thrives in. The *Sirkee* on the contrary is in abundance in the upper provinces, and seems of the rush species. It is also used much in the same manner as the other, though growing in low grounds it is not so completely an aquatic plant as the *Hoogla*. As the lining of *Bungla* roofs, it looks much neater in every respect, and is by far more durable.

† The *fourth*, and the notorious tax or duty which the *Muhrattas* have often claimed without success on our revenues. It is also supposed to be the standard quantum of public or private peculation, to which no extraordinary odium is attached among the natives, who are too apt to consider one *fourth* of their master's property entrusted to them at once, as the *shikari bulal* or *fair game*; for every honest servant's pursuit.

profits, besides a tax of two rupees which is levied on the girls of each set, as often as they may have attracted the notice of persons not of their own cast. This from their mode of life must be a tolerably productive duty. When the parties return from their excursions, this money is paid to the Nardar Boutah, who convenes his people and they continue eating and drinking till the whole is expended. When any of the *Surdars* are suspected of giving in an unfair statement of their profits, a *Punchaet* is assembled, before whom the supposed culprit is ordered to undergo a fiery ordeal, by applying his tongue to a piece of red hot iron; if it burns him, he is declared guilty. A fine, always consisting of liquor, is imposed, the quantity agreeing, I suspect, more with the insatiable desires of the *Punchaet* than the nature of the crime. From a court so constituted, the verdict Not guilty, may seldom be looked for. If the liquor be not immediately produced, the delinquent is banished from their society, hooted and execrated wherever he comes; his very wife and children avoid him. Thus oppressed, he soon becomes a suppliant to the Nardar Boutah; to bring about a reconciliation, acknowledges the justice of their sentence, and his willingness to abide by their award. If he has no money, and his friends cannot supply him, he must get it, and probably the necessity of the case may excuse the means, should they perchance not square exactly with our refined notions of honesty. However, it is but justice to this particular set to observe, that the country people seem in general to consider them as an honest inoffensive race. Among themselves they lay claim to great veracity and honesty, and declare, notwithstanding the story of the ordeal, that no *Bazeegur* would attempt a deception in the payment of his *Chout*. If this be a true statement of the case, we have to lament, that the rareness of such probity renders the circumstance rather difficult of belief, especially among the people whose notions of morality must be very loose, if we

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can with propriety form an unfavourable opinion from the derivative word *Nutkhut*, meaning in the Hindoostanee, *a rogue, blackguard, &c.* Truth still forces us to add, that *Nutkhut* is rather applicable to imaginary than downright roguery, in expressions of endearment and familiarity.

I can form no idea of their numbers in Bengal. In many places they have lands, but they are not themselves the cultivators. *Burdwan* seems to be their great resort; and when I first entered on this enquiry, I was informed that their chief resided at *Chundurkona*; that a woman named Toota, wife of Jooqkhan, their late Nardar Boutah, was considered as chief of all the sects in Bengal. I afterwards learnt from Munbhungee, the Nardar Boutah of Calcutta, that the above was a misrepresentation; that he and his people were not at all dependent on *Chundurkona*. He said the men who had been with me before, from motives of fear, concealed his name; that all the Bazeegurs within the Purgunnus of *Jushur*, or *Jusur*, *Hoogley*, &c. were solely under his controul; and that the following was the traditional account they had of their ancestors. In the countries of *Ghazeepoor*, *Ullahabad*, &c. about two hundred years ago, there were four brothers, named *Sa*, *Summoola*, *Ghoondra*, and *Moola*, who finding it difficult to support their numerous followers in that part of the country, determined to separate, and to march towards the four quarters of the world, *Sa* to the east, *Summoola* to the west, *Ghoondra* to the north, and *Moola* to the south; that *Sa* arriving in Bengal, took up his residence at *Hooglee*; that having governed peaceably for many years, he died at *Unwurpoor*, near *Barasut*, where to this day his faithful descendants offer up their prayers to his manes. He had three sons, who succeeded each other; first Lukhun, the second Momeen, the third Ghazee Khan. The succession then regularly devolved on Gholamee Khan, Ouladee Khan, Sadee Khan, Urub

Urub Khan, Moonuwur Khan Misree, Sundul Khan, and Rujbee Khan, father to the present chief Munbhungee. He allows that the family of the Nardar Boutah of Chundurkona is descended from the same stock, and that the boundaries of that department extend to *Medneepoor**, *Burdwan*, and *Moorshidabad*; that none of her people can enter his districts with an intention of procuring money, by dancing or begging, without obtaining his permission and paying accordingly. The same system holds good in respect to his dependents visiting her country. Those men and women who are not in any of the sets, wander about from place to place, obtaining a precarious livelihood by begging, and sometimes by disposing of little trinkets†, which they either fabricate themselves, or purchase in Calcutta.

These sects, viz. the Bazeegurs, having adopted, if not the religion, at least the name, of *Moosulmans*, are more civilized than the other wandering tribes. Their diet and apparel correspond with the *Moosulmans*. Some of their women are, I have heard, extremely handsome, and esteemed as courtezans in the East accordingly; though I must confess, I have

* Better known among us under the deviation *Midnapore*, which is very slight when compared to the number we pervert in a way that must hereafter create much confusion in the names of places whenever we know enough of the language to write them properly. It will then, perhaps, puzzle the geographers of ~~the~~ day to reconcile *Jessore*, *Ingellee*, *Serampore*, &c. with the true pronunciation of *Jusbur*, or *Jusur*, *Hijlee*, *Sveerampoor*, &c. by which alone the natives term these places among themselves.

† A tribe, termed *Bisatee*, supply these trinkets, and attend markets, fairs, and such places, with their small wares, exactly as our *pedlars* do. *Bazeechu* and *kibilouna* are commonly applied to the *toys* these people sell, which in our and the oriental languages, are properly called *playthings*. Those formed of tin are for the most part fabricated by the strolling gipsies or players named *buhroopeeja*, from their dexterity in assuming various forms, *buh* signifying many, and *roop* a face or shape.

have not seen any who, in my opinion, came under that description as to personal charms.

I cannot observe any peculiarity of feature which would characterize them as a distinct people.

Before the establishment of the British government in Bengal, the *Surkar* appointed an officer termed a *Dam-Dar**, or tax gatherer, to keep a register of and to collect taxes, not only from these, but from all the other tribes of a similar description. Some say they amounted to eighteen, others to thirty-two sets, all of whom I consider as coming under the general denomination of *Nut*; but in statements of this kind, having no public records to resort to, I can only relate their traditions and opinions.

The dread of an intended revival of this officer's powers, caused at first much alarm among them, and operated as a considerable impediment to my enquiries. They have a strong and a very natural wish to obtain lands, which many of them have done in several parts of the country, but with no intention of being the cultivators of the soil. They have two languages peculiar to themselves, one intended for the use only of the craftsmen of the set; the other, general among men, women, and children. The *Hindoostanee* is the basis of both; the first in general

* This is clearly derived from *dam*, a small coin, and *dar*, a keeper, &c. This word was perhaps in use even among our forefathers, and may innocently account for the expression, "*not worth a fig*," or a *dam*, especially if we recollect that *ba-dam*, an *almond*, is to this day current in some parts of India as small money. Might not *dried figs* have been employed anciently in the same way, since the Arabic word *foolool*, a *halfpenny*, also denotes a *cassia bean*, and the root *ful* means the *scale* of a fish. Mankind are so apt, from a natural depravity, that "flesh is heir to," in their use of words, to pervert them from their original sense, that it is not a convincing argument against the present conjecture our using the word *curse* in vulgar language in lieu of *dam*. The shells, well known as small money under the name of *kourree*, often occur in the *Hindoostanee*, as *fig*, *dam*, *farthing*, sometimes with the epithet *pbootee kourree*, a *split farthing*. Ten *kourrees* become a *dumree* probably from *dam*.

ral being a mere transposition or change of syllables, and the second apparently a systematic conversion of a few letters, but which will be best elucidated by the following specimen :

<i>Hindoostance.</i>	<i>Nut 1st.</i>	<i>Nut 2d.</i>	<i>English.</i>
Ag,	Ga,	Kag,	Fire.
Bans,	Suban,	Nans,	Bamboo.
Chilum,	Limchee,	Nilum,	An Oven.
Dum,	Mudu,	Num,	Breath.
Ec,ad,	Da,ce,	Ke,ad,	Remembrance.
Fuqeer,	Reeqeefu,	Nuqeer,	A Beggar.
G,hur,	Rug,hu,	R,hur,	House.
Hindoostan,	Dooseenatuh,	Kindoostan,	India.
Id,hur,	D,huri,	Bid,hur,	Here.
Jub,	Buju,	Nub,	When.
Kon,	Onk,	Ron,	Who.
Lumba,	Balum,	Kumba,	Long.
Mas,	Samu,	Nas,	Month.
Nut,	Tunu,	Kut,	A sect of people.
Omr,	Muroo,	Komr,	Age.
Peer,	Reepu,	Cheer,	Saint.
Qcella,	Laqeh,	Rulla,	A Fort.
Rooburoo,	Buroo Roo,	Kooburoo,	Opposite.
Sona,	Na-so,	Nona,	Gold.
Tulash,	Lashu,	Nulash,	A search.
Unbuna,o,	Nunbeh,	Kunbuna,o,	Disagreement.
Waris,	Ruswa,	Quaris,	An Heir.

I find these people in Mr. Colebrooke's arrangement of the *Hindoo* classes, mentioned in the 6th class, under the head of Nata, Bazeegurs, &c: and
in

in Sir William Jones's translation of the ordinances of (Menu) *Munoo*, chapter 10th, article 20, 21, 22, and 23, their origin is clearly pointed out, which the following extract will shew. "Those whom the twice-born beget on women of equal classes, but who perform not the proper ceremonies of assuming the thread, and the like, people denominated *Pra*-*tyas*, or excluded from the *Gayatri*.

"21.—From such an outcast *Brahmen* springs, a son of a sinful nature, who, in different countries, is named a *Bhurjacantaca*, an *Avantya*, a *Vatadhana*, a *Pushpadha*, and a *Saicha*.

"22.—From such an outcast *Cshatriya* comes a son called a *I'halla*, a *Malla*, a *Nichhivi*, a *Nata*, a *Carana*, a *C'hasa*, and a *Dravira*.

"23.—From such an outcast *Paisya* is born a son, called *Sudhanwan*, *Charya*, *Viganman*, *Maitra*, and *Satwata*."

From the above word, *Maitra*, may, I imagine, be deduced the origin of the name generally applied to sweepers, and people of that description, and that the common derivation of it from the Persian word*, *Mihtur*, a prince, may possibly be an error. It may be necessary to mention here, that I have in general endeavoured to follow Mr. Gilchrist's orthography in writing the *Hindoostanee* words.

The *Panchpeeree* †, or *Budeea*, being considered appertaining

* The word *mub* or *mib*, seems an important radical in many languages, disguised no doubt under other forms as *ma*, *mu*, *mai*, which last may be rather corruptions easily accounted for. *Muba*, *mubta*, *mubra*, *mib*, *mihtur*, &c. are all Oriental words denoting superiority, grandeur, command, &c. which may often be misapplied to inferior situations, either as derisive or consiliating terms; the origin therefore of *maitra* and *mihtur*, may still be the same. *Mib* applied to the Moon, especially with the addition of *tab*-light, clearly expresses the great-light among the smaller lights or *Stars*; *Mibr* in both Persian and *Sanskrit* applies to the *Sun*, and in my opinion signifies the great one, on etymological principles, that cannot be very obscure to any well informed Orientalist.

† This appellation may have a reference to their division into five
fases,

appertaining to the same class as the Bazeegurs, and equally with them, termed *Nuts*. I have herewith annexed a short account of them also.

The *Panchpeerec*, or *Budeea* Nuts differ from the Bazeegurs in many points; though probably in their manners there will be found a stronger similitude to the gypsies of Europe, than in those of any others which may come under review.

They have no particular system of religion, adopting with indifference that of the village near to which they happen to be encamped; however I imagine, when left to themselves, under the impression of immediate or impending ill, the goddess *Kali* generally obtains the preference, indeed the influence of this deity often extends to the lower orders in Bengal, whether they be *Hindoos** or *Moosulmans*. The *Panchpeerec*† wander in companies in the same manner, and inhabit, if I may use the word, huts, of a similar form and fabrication as the Bazeegurs.

The men are remarkably athletic, and also nimble and adroit in every kind of slight of hand, practising juggling

ram, kates, or families, as peerec, occasionally seems to bear that interpretation, though it certainly may admit of others. In this place, however, it probably rather applies to these people as conformists to whatever religious system may be the order of the day in their peregrinations over *Hindoostan*.

* I must strike the attentive traveller with astonishment to learn in how many observances the various Moosulman tribes copy the *Hindoos*, and vice versa. Among the votaries of *Kalee* the degenerate race of Portuguese will also often be found; so powerful is the influence of moral and physical causes in the lapse of ages from the conquered on the conquerors, in spite of religious bigotry and national prejudices.

† In the upper provinces of *Hindoostan* the little encampments of these people are frequently very regular and neat, being there founded on the *Sirree* entirely. Each apartment, though not much larger than a mastiff's kennel, has its own particular enclosure or court yard, generally erected in such a manner as to become a species of continuation to the whole portable habiter, which, at first sight, reminds a traveller of *Lilliput* or *Fairy Land*. The appearance of the people alone can undo the deception, and then even one cannot help

juggling in all its branches. As tumblers they exhibit not only feats of agility, but great instances of strength. There are about a hundred houses at present of these people in Calcutta, formed into five divisions; there is a *Surdar* to each division, one of whom, as with the Bazeegurs, is considered as the head of the whole. His revenues seem principally to arise from the offerings of strong liquor, which he receives from his dependants; they, meaning such as have attached themselves to Calcutta and its environs, seem to have nearly the same boundaries as the Bazeegurs, though there are communities of this cast spread all over Bengal, appearing under the various denomination of *Cheere-Mars*, *Sumperas*, *Bundur Nachwya*, *Qulundur*, *Dukyt*, &c. Many of these have become *Moosulmans*, and having taken up their abode in villages, gain a livelihood by exposing dancing *monkies*, *bears*, &c. to the vulgar, or by the fabrication of mats, trinkets, &c. Some of them wander about as sects of religionists, and calling themselves *Moosulman Fugeers*, live on the bounty of the pious followers of the *prophet*. They have a traditional account of four generations, and do not, like the Bazeegurs, consider themselves as foreigners in Bengal. This particular tribe of the Nuts are suspected of being great thieves; many of them I understand are daily punished for theft, and in their capacity of *Dukyts**, are no doubt often hanged.

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help wondering, where so many men, women, children and other domestic animals, manage to sleep or shelter themselves from the storms which sometimes assail these itinerant people. A detailed account of the peculiar tribe, who from their occupation of taming and charming snakes, derive the name of *Sumpera*, might prove worthy of public attention, especially if from it we could discover whether either they or the Mungoos called *Newul*, are acquainted with any specific against the bite of a venomous snake, whose fangs have not been *bona fide* extracted, or deprived of their poisonous fluid by previous repeated exertions upon other bodies.

* *Daka* means robbery, and in the active or agent form becomes *Dukyt*,

They also have a peculiar jargon formed upon similar principles with that of the Bazeegurs. This formation of a separate dialect conveys no very favourable impression of either of these sects, since many people may conceive it so much resembles the cant of rogues among ourselves, invented for the purpose of concealing their conduct as much as possible from honest men.

They inter their dead, and the only ceremony seems to be to forget their sorrows, by getting completely drunk immediately afterwards.

Many of the subdivisions of this class of men pay little or no attention to cleanliness, or any restrictions in diet, eating dead jackalls, bullocks, horses, or any kind of food procurable. Besides their usual occupation, the men collect medicinal herbs, catch mungooses, squirrels, and particularly the bird called *dahs*: the former, if not saleable, answer admirably for a feast. The birds are dried and used as a medicine. Their women do not attend them during the exhibition of their juggling exploits, but have a peculiar department allotted to themselves, which consists of the practice of physic, cupping, palmistry, curing disorders of the teeth, and marking the skin of the *Hindoo* women, an operation termed *Godna*; they usually sally out in the morning with a quantity of the herbs and dried birds, and, begging from door to door, offer their services generally to the females only, in the cure of whose ailments they pretend to have a peculiar knowledge. Should it so happen that they do not return home before the Jackal's cry is heard in the evening, their fidelity is suspected, and

Dukyt, notorious for their depredations as pirates in the Soondurbun branches of the Gunga or Ganges, by the name of Decoits. If we may credit very respectable testimonies of the fact, these Dukyts, are frequently guilty of sacrificing human victims to Kalee, under circumstances of horror and atrocity scarcely credible.

and they subject themselves to the displeasure of their husbands, and are punished accordingly. A fault of that nature committed with any one not of their own cast, is an unpardonable crime.

Their marriage ceremonies are as follow. All parties being agreed, and the day fixed on, they assemble before the bride's house between 9 and 10 o'clock at night. The bridegroom, accompanied by all his relations, male and female, places himself before the door, near to which are fixed four plaintain trees, forming a square large enough to contain the company. He calls out with a loud voice,—“Give me my Bride.” The brother, or some such near relation, guards the door, and prevents his entrance, nay, rudely pushes him away. The laugh is now general against the poor bridegroom, and many are the jokes on all hands played upon him. However, not to be put off so, he makes two more attempts, calling out all the while for his bride; which proving ineffectual; he in much seeming grief, (for the whole appears a farce,) retires and sits down in the centre of the square, and there in melancholy mood bewails his fate. When the parties conceive they have sufficiently tried the man's patience, they then intercede in his behalf with the guardian of the door, who bringing forth the bride, delivers her hand into the bridegroom's, saying, “Here is your bride, behave kindly to her.” She also receives an exhortation to conduct herself like a good and obedient wife. The bridegroom now taking a little red powder, which is prepared for the occasion, makes a mark with it on her forehead, calling out “This woman is my wedded wife.” The bride also marks the bridegroom's face, repeating at the same time, “This man is my husband.” They sit down together, and the company arrange themselves in a circular form on each side. The little fingers of his left and her right hand being joined, they sit close together, so that their

knees may lap over each other. The merriment of the evening now begins, all parties dancing, singing, drinking and smoking, except the bride, who for this one day in her life is expected to refrain from the intoxicating draught. After a short space they arise, and the bridegroom, accompanied by the female part of the company, conveys the bride to the house, where the bridegroom and bride's mothers are assembled; neither of whom are permitted to appear before him this night: however, this restriction damps not the joy of the old ladies; liquor is plentifully supplied, and they partake freely of it.

The bridegroom having rejoined the party in the square, every one sets seriously to work, and it appears now a fair trial to prove who shall most expeditiously accomplish the important business of intoxication. A little after day-light the cavalcade prepare to set off for the bridegroom's house. Whatever dowry the parents can give is now delivered, and the little fingers of this happy couple being again joined, as before described, they lead the way. Before the bridegroom's (or rather before his parent's door, it being to their house they are conducted,) stands an earthen pot filled with water, and in which is placed a small fresh branch of a mangoe tree, intended, as I should conjecture, as an emblem of plenty. The mother then comes forwards with a sieve containing a *roopee*, some unhusked rice, paint, and *Domb* grass*. This she waves round each of their heads three times, and touches their foreheads with it.

* This is probably one of the most common, useful, and beautiful grasses in this or any other country; and, like the cow which feeds upon it, is held in high religious veneration by many tribes of *Hindoo*s. A natural velvet carpet, if the expression be admissible here, may at any time be formed of this elegant grass, in the space of two or three weeks, merely by chopping it in pieces, and sprinkling these on prepared ground mixed with earth. In this way the banks of rivers, pub-

it*. This ceremony being performed, the bridegroom leads the bride into the house, where she is received by the old lady with many welcomes, who promises if she but conducts herself like a good wife, that she shall have all her goods and chattles when she dies. The men now assemble in front of the house. The women remain within; and a feast being prepared, the same scene of immoderate intoxication succeeds. When evening arrives, the bride goes, or is conducted, if there be a female of the party sufficiently steady to accompany her, to the hut allotted for her.—Such of the company as are able, now depart, whilst the rest, among whom the bridegroom may generally be numbered, pass the night on the plain in beastly insensibility, leaving the solitary bride to her own sober reflections. From the time their children are five or six months old, they are accustomed to imbibe strong spirits; indeed it may be said they draw it in with their mother's milk. They appear to be a most inconsiderate race of be-

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lic roads, fortifications, ditches, garden walks, and marginal borders, are frequently prepared in *India*, upon principles which unite expedition, elegance, and strength, in one verdant sward, which, to people unacquainted with the rapidity of vegetation in these climes, has almost the appearance of enchantment. Every lover of agriculture and rural economy at home must regret, that this charming plant has not yet been fairly tried in *Europe*, where it would probably yield both profit and pleasure to all its admirers. The roots are esteemed medicinal by the natives, and there can be little doubt of the nutritive quality of the whole plant considered as the food of animals. It is so well known to the *Hindoostanees*, and probably so often the object of attention, in the rural sports and excursions of the people or their children, that the expression *doob ka chibulla*, a ring of *doob*, is frequently introduced in their stories, to express that a petitioner did not even receive a *doob* ring from the person solicited, or what we might render, he did not even see the colour of his coin. As rings are exchanged at weddings by the parties, it is possible their poverty may sometimes cause them to substitute, at least *pro tempore*, those formed of the grass in question.

* This circular motion, so common on such occasions in this country, is termed *warna* to sacrifice, and probably, from the convertibility of *m* with *w*, a mere deviation from *marna* to kill.

ings, never thinking of to-morrow, all their views are concentrated in the enjoyment of the present moment, and that enjoyment consisting *wholly* in excessive intoxication, and the grossest indulgence of the sensual appetites.

A reference in their disputes is never made beyond their own sect, and if of so serious nature that a small *Punchaet* cannot accommodate the matter, the *Bura Surdar* convenes a general assembly, but which assembly never enters on business until a quantity of spirits equal to the importance of the cause has been provided by both plaintiff and defendant. The person non-suited has ultimately to bear the expence, unless, as it frequently occurs, (all parties during the discussion being indulged in a free participation of the liquor,) that the judges, plaintiff, and defendant should forget every idea of the case before them, but of that which contains the spirits. The sequel may be easily conjectured. The *Punchaet* disperses by degrees, and the contending parties, when aroused from the torpor of intoxication, frequently awake only to regret their own folly.

These people in the upper provinces of Hindoostan, are known by the appellation of *Kunjura*, whence a particular friend of mine, in speaking on the subject, conjectured might be derived our term *Conjuror*. Were not so great an authority as Johnson, with those scholars who derive it from *conjuro* * in our way, I should almost be inclined to agree with him

* The Latin, however, has no such term from that source to express the person in question; and there was nothing to prevent the modern languages of Europe from adopting this and other vocables from the Gipsies, at the period they were wandering over it in the capacity of *conjurers*, &c. That derivatives are used by the moderns, which the ancients had no idea of, may safely be granted, without invalidating the consistency or probability of the present conjecture. In fact, the study of etymology, as a rational science, is still too much in its infancy to warrant the hasty condemnation of particular opinions, on the derivation of certain words, as some that at present will appear whimsical enough, may yet prove hereafter to have been well founded.

formed themselves into a company, and obtained a charter—the police frequently repressed their licentiousness, and regulated their conduct. Philip Augustus banished them the first year of his reign; but they were recalled by his successors, and united under the general name of Minstrelsy, having a *Chief* appointed over them, who was called the *King* of the Minstrels. Lewis the IXth exempted them from a tariff or toll at the entrance at Paris, on condition that they would sing a song, and make their *monkey* dance to the toll-men, &c. &c.

“The associated minstrels inhabited a particular street, to which they gave the name it still retains. It was here that the public was provided with musicians for weddings and parties of pleasure. But, as a greater number of them attended such occasions than were ordered, and all expected to be paid the same price,” “William de Girmont, Provost of Paris 1331, prohibited the *Jungleurs* and *Jungleouresses* from going to those, who required their performance, in greater numbers than had been stipulated, upon a severe penalty. In 1395, their libertinism and immoralities again incurred the censure of government, by which it was strictly enjoined, that they should henceforth, neither in public or private, speak, act, or sing any thing that was indecorous or unfit for modest eyes and ears, upon pain of two months imprisonment and living upon bread and water.” But let us hear one of the jugglers relate his own story. After speaking of his power in music, he proceeds:

“ I from lovers tokens bear,
I can flowry chaplets weave,
Amorous belts can well prepare,
And with courteous speech deceive.
Joint stool feats to shew I'm able,
I can make the beetle run,

All

All alive upon the table,
 When I shew delightful fun.
 At my slight of hand you'll laugh,
 At my magic you will stare,
 I can play at quarter staff;
 I can knives suspend in air,
 I enchantment strange devise,
 And with cord and sling surprise."

I shall now draw a short parallel between the gipsies of Europe and the people I have described.

Both the Gipsies and the Nuts are generally a wandering race of beings, seldom having a fixed habitation. They have each a language peculiar to themselves. That of the Gipsies is undoubtedly a species of *Hindostanee*, and so is that of the Nuts. In Europe it answers all the purposes of concealment. Here a conversion of its syllables becomes necessary.

The Gipsies have their king; the Nuts their *Nardar Boutah*;—they are equally formed into companies, and their peculiar employments are exactly similar; viz. dancing, singing, music, palmistry, quackery, dancers of monkeys, bears, and snakes. The two latter professions, from local causes, are peculiar to the Nuts. They are both considered as thieves, at least that division of the Nuts whose manners come nearest the Gipsies. In matters of religion they appear equally indifferent, and as for food, we have seen that neither the Gipsies nor *Budeen Nuts* are very choice on that particular, and though I have not obtained any satisfactory proof of their eating human flesh, I do not find it easy to divert my mind of its suspicions on this head. Indeed one would think the stomach that could receive without nausea a piece of putrid jackal, could not well retain any qualms in the selection of animal food.

Though

Though in the *Encyclopedia Britannica* Grellman's theory is thought slightly of, the similarity of language being deemed but inconclusive evidence, yet in this instance, even in opposition to such authority, I will venture to consider it as forming a basis of the most substantial kind. It is not the accidental coincidence of a few words, but the whole vocabulary he produces differs not so much from the common *Hindoostanee*, as provincial dialects of the same country usually do from each other. Grellman, from a want of knowledge in the *Hindoostanee*, lost many opportunities of producing the proper word in comparison with the Gipsy one.

The story of the *Malabar* students being rejected, upon the supposition that they, being *Bruhmans*, and only conversant in *Sanscrit**, could not have understood the common *Hindoostanee* dialect, offers a good specimen of the kind of criticism which Grellman has to fear.

The following List of words, which were taken from the Annual Register of 1784-5, with a few I have now subjoined from Grellman, in some of the instances

* It has not yet been incontestibly proved, that the *Sanscrit* ever was a spoken language in India, and the few *Bruhmans* who now can speak it at all, seldom if ever talk that language in their own domestic concerns; on the contrary, they commonly employ the prevalent local dialect of the place, which will frequently be a species of *Hindoostanee*. There are so very few towns, cities, or even large villages, which were ever conquered, or even much frequented by the *Mosulmans*, in the whole peninsula of India, wherein this colloquial language is not more or less understood, that we can scarcely conceive there are many travelling *Bruhmans* who require a previous knowledge of the *Sanscrit* before they can understand *Hindoostanee*. The objection on the score of the Gypsie and *Hindoostanee* numbers being so different, if they really be so, might be answered by adverting to the arbitrary introduction of a new series of numerical words into some Indian dialects, where the substance of any particular speech in question will be found to agree, almost in every thing but number, with many other tongues from the same source.

instances where he has failed of producing the corresponding *Hindoostanee* one, will I hope prove the language of the *Gipsies*, and that of *Hindoostanee*, to be the same, or very intimately connected with each other*.

<i>Gipsy.</i>	<i>Hindoostanee.</i>	<i>English.</i>
Apra,	Oopur,	Above.
Bebee,	Beebéc,	Aunt, a respectful feminine appellation, from Baba, father.
Pownee,	Panee,	Brook, drink, water, tears.
Cauliban,	Kala-burn,	Black, a black colour.
Chericloe,	Chireeja,	Bird.
Per,	Peroo,	Belly, the lower part of the belly.
Jamoval eo panee	Panee,	A Bath, water to bathe.
drowei paneeja, e,	Jul,	Ditto.
Davies, devus,	Dewus,	Day, to day.
Rattie,	Rat,	Dark, night.
Peola,	Peena.	To drink.
Can,	Kan,	Ear.
Dad,	Dada,	Father, Grand-father.
Jag,	Ag,	Fire.

* Should any real *Hindoostanee* scholars ever investigate this matter on the spot in Europe, their evidence and observations will probably settle the matter effectually, one way or other, for ever.

<i>Gipsy.</i>	<i>Hindoostanee,</i>	<i>English.</i>
Peroe,	Pyr,	Foot.
Valashtee,	Bilisht,	Finger, a span.
Por,	Pöör,	Full.
Mutchee,	Muchee,	Fish.
Bootsee,	Buhotsee (in the feminine,)	Great, a great deal.
Gur,	G,hur,	House.
Shing,	Seeng,	Horn.
Ballow,	Bal,	Hair.
Tattoo,	Tutta,	Heat, hot.
Yacorah,	Yek G,huree,	An hour.
Bocolee,	B,hook,ha,	Hungry.
Shunalee,	Soona,ee,	Hearing.
Gecoa,	Jee, or Jee,oo, jee,oo- ka,	Life, living.
Liecaw,	Lik,ha,	Letters, any thing written.
Riah,	Ra,c,	Lord.
Rriena,	Ra,enee, Ranee,	Lady.
Dai,	Da,ee,	Mother, a nurse.
Mass,	Mas,	Meat or food, flesh meat.
Tod,	Dood,h,	Milk.
Boot,	Buhot,	Much, numbers.
Nack,	Nak,	Nose.
Nie,	Nuh,	Nail of the finger.
Nevo,	Ny,a, nou,	New.
Bouropanee,	Bura panee,	Ocean, sea, wave ; the great water.

Gipsy.

A SECT COMMONLY DENOMINATED NUTS. 477

<i>Gipsy,</i>	<i>Hindoostanee,</i>	<i>English.</i>
Rashee,	Rishee,	Priest; a saint or holy man.
Briskinee,	Burk,ha, burushna,	Rain, to rain, from the Sunskrit <i>vurshun-</i> <i>ung.</i>
Doriove,	Dureea,	River.
Lolo,	Lal,	Red.
Bauro-chairee,	Buree ch,hooree,	Sword, a great knife.
Pan and Pon,	Buhin,	Sister, B is often inter- changeable with Pin the <i>Hindoostanee.</i>
Roop,	Roopa,	Silver.
Starric,	Sitara, tara,	Star.
Sep and Sap,	Samp, surp,	Serpent.
Dicken,	Dak,hna,	Sight, to see.
Loon,	Loon, lon,	Salt.
Banaw,	Baloo,	Sand.
Chive,	Jeebb,	Tongue, ch is often in- terchangeable with <i>j</i> , and <i>v</i> with <i>b</i> .
Rook,	Rook,h,	Tree. •
Dennam,	Dundan, dant,	Tooth.
Chalk,	Kaka or Chucha,	Uncle.
Pance,	Pance,	Water.
Jaw,	Ana jana,	To walk, to come, to go.
Bouro Matchee,	Buree Muchee,	Whale, a large fish.
Kalicoe,	Kul-ko,	Yesterday, with the postposition.

Gipsy.

<i>Gipsy.</i>	<i>Hindoostanee.</i>	<i>English.</i>
* Tober,	Tubl,	An Ax.
Tschor,	Chor,	A Thief,
Dori,	Dori,	A band or string.
Rajah,	Rajah,	A Lord or Chief.
Ranee,	Ranee,	Princess.
Raz,	Raj,	Principality.
Banduk,	Bundoog,	A Musket. *
Gan Jagga,	Gawn, Juggah,	A Village or Place.
Jammadar,	Jemmadar,	A Commander or Officer.
Wesch,	Whaisha,	Forest or Wild.
Gour,	Gor,	The Grave.
Mul,	Mool,	Wine.
Latcho,	Acho,	Good.
Dur,	Dorr,	Far.
Perdo,	Poordo,	To fill up, to accomplish.
Cha, Chabben,	K,hana, Chabbna,	To eat.
Ischummedele,	Chooma Detee,	She kisses.
Jungustri,	Ungooshturee,	A Ring.
Aro,	Ard,	Meal.
Paka,	Punk,h,	A Wing.
Schut vinegar,	Khutta,	Sour.
Ker,	Ghur,	House.
Sapa,	Saboon,	Soap. *
Aduito,	Dotuh,	Double.

Gipsy.

* The following are from Grellman's Vocabulary, and consequently often incorrect.

<i>Gipsy.</i>	<i>Hindoostanee.</i>	<i>English.</i>
Tatip,	Tapna,	To warm.
Surgawa,	Soonghna,	To smell.
Gewawa,	Gana,	To sing.
Mongna,	Mongna,	To solicit.
Pi,	Peena,	To drink.
Meischana,	Puh, channa,	To know.
Medikkaha,	Myn deekat, ha,	I saw.

There can be no doubt that many others might be selected, were it necessary to add more proofs of the identity or intimate connection of the *Gipsy* and *Hindoostanee* languages here.

XX.

*On the BURMHA GAME of CHESS, compared
with the Indian, Chinese, and Persian
GAME of the same denomination.*

BY THE LATE CAPTAIN HIRAM COX.

Communicated in a Letter from him to J. H. HARRINGTON, Esq.

DEAR SIR,

I HAVE now the pleasure to send you a drawing of the *Burmha* chess table, with the pieces arranged according to the ordinary mode of playing the game; and subjoin an account of the *Burmha*-game, with a comparative view of the Indian, Chinese, and Persian games; and should it appear to you worthy of notice, I have to request you will do me the favor to lay it before the society.

It has been said that an accurate judgment may be formed of any society from a view of the amusements of the people; this is one of those sweeping assertions which indolence too often induces us to admit without sufficient examination, and however true in a general sense, is little applicable to the purposes of life, for it often, indeed generally, happens, as in Lavater's System of Physiognomy, one feature counteracts the effects of another, so as to perplex the whole, and defeat the end of enquiry.

Are the gay airy Parisians, heretofore so celebrated for polish, and so conversant in the cant of philanthropy, more humane than our rough countrymen,
who

who have been stigmatized as sanguinary, from their delighting in boxing, cock-fighting, and bear-baiting?—But instances of contradictions of this kind between particular habits, and general character in every nation, must be too familiar to you to require illustration by further examples; and I am sure you will agree with me, that it is the wisest and safest course to avoid forming general conclusions from partial views.

A member does not form a whole; and who has the means of examining and comparing all the parts of so stupendous a system, as forms the history and character of man, even in the meanest of the subdivisions of society? We therefore must not conclude that the *Burmhas* are a scientific or intelligent people, because they play chess; nor that they are brutally savage, because they sometimes eat the flesh of their enemies.

Chess, by universal consent, holds the first rank among our sedentary amusements, and its history has employed the pens of many eminent men. Among the number, Sir William Jones has obliged the world with an essay replete as usual with erudition and information. But while I avow the warmest admiration of his talents, and subscribe with all due deference to his authority, I must be allowed to acknowledge a difference of sentiment.

Sir William says, “The beautiful simplicity and extreme perfection of the game, as it is commonly played in Europe and Asia, convinces me that it was invented by one effort of some great genius, not completed by gradual improvements, but formed, to use the phrase of Italian critics, by the first intention.” But it appears to me that all he afterwards adduces on the subject is so far from corroborating, that it is in direct contradiction of this opinion, and I trust my further combating it will neither be deem-

ed impertinent nor invidious. The errors of a great mind are, of all others, the most material to be guarded against; and Sir William himself, had he lived to reconsider the subject. I am sure would have been the first to expunge a passage of so unqualified construction. Perfection has been denied us undoubtedly for wise purposes, and progression is necessary to the happiness of our existence. No human invention is so perfect but it may be improved, and no one is, or has been, so great, but another may be greater.

I have elsewhere had occasion to observe, that, generally speaking, nature is slow, silent, and uniform in all her operations; and I am induced to think, that what is true of the material world, equally holds as to the intellectual. In this opinion I am supported by the testimony of Sir Isaac Newton, who, with equal modesty and truth, replied to one of his admiring friends, that if he surpassed others in his attainments, he owed it entirely to a patient habit of thinking. All great efforts are violations of the order of nature, and, as such, are rather to be deprecated than admired. In common language they are called convulsions, and I confess myself opposed to convulsions of every kind.

Sir William Jones's evidence goes to confirm the opinion that we are indebted to the *Hindoos* for the game of chess; but the description of the game which he has given from the *Bhawishya Puran* has nothing of that beautiful simplicity which called forth his admiration. Indeed he admits, that the Indian game, described by him, is more complex; and he considers it more modern than the simple game of the Persians, of which he could not find any account in the writings of the *Brahmans*.

He informs us that the *Sanscrit* name is *Chatu-ranga*, and the root from which the name of the game

game is derived in modern languages. It literally means the four members of an army, elephants, horses, chariots, and foot soldiers, the same as exhibited at this day; but the game described by him is more generally known by the name of *Chatúrâjî*, or the *four kings*, since, he observes, "it is played by four persons representing as many princes, two allied armies combating on each side." The board is quadrilateral, with sixty-four checks as ours; but what forms one army with us, is divided in two, each having its king, elephant, horse, and boat, with four foot soldiers in front, placed at the left hand angle of each face of the board. The power of the king is the same as in the modern game; the elephant has the same powers as the English queen, moving at will in all directions; the horse the same as the modern horse or knight; the boat as the modern bishop, with the limitation of moving only two checks at once; the peon the same as the modern *pawn*.

This game is mentioned in the oldest law books, and is said to have been invented by the wife of Ravan, king of *Lanca*, (i. e. *Ceylon*,) in order to amuse him with an image of war (field war I suppose is meant,) while his metropolis was closely besieged by Rama, in the second age of the world. Rama*, according to Sir William Jones's Chronology of the *Hindoos*, appeared on earth at least three thousand eight hundred years ago; and this event happened

I 1 2

in

* The high degree of polish which prevailed at the court of Ravan, at this early period, is well worthy notice. In a copy from an ancient *Hindoo* painting which I possess, his capital appears to be regularly fortified in the antique style, with projecting round towers and battlements, and he is said to have defended it with singular ability; hence he and his people were called magicians and giants, for to the invading Rama, and his hordes of Barbarian mountaineers, called in derision *satyrs* or *monkeys*, his science must have appeared supernatural. In fact, Ravan appears to have been the Archimides of *Lanca*.

in an early part of his career; yet notwithstanding these proofs of antiquity and originality, Sir William Jones was of opinion that this rudimental and complex game is a more recent invention than the refined game of the Persians and Europeans; which he also states to have been certainly invented in India, and appears, therefore, to have considered the original. But, to admit this, would, I conceive, be inverting the usual order of things.

Two other distinctions are remarkable of the *Hindoo* game; the introduction of a ship or boat amongst troops, &c. embattled on a plain; and the use of dice, which determine the moves, and, as Sir William justly observes, exclude it from the rank which has been assigned to chess among the sciences.

In respect to the first of these distinctions, I cannot help suspecting a mistake in translating the passage, which I must leave to abler critics to decide. In explaining the meaning of *Chatur-anga*, Sir William says, "that is the four *angas* or members of an army, which are said in the *Amaracoshā* to be, *Hasty āsṭa rat'ha pādātā*, or elephants, horses, chariots, and foot soldiers." And the same names are used in India at this day*.

Sir William notices the Chinese game as having a river described on the board, which the Indian board has not; and seems to infer that a ship or boat might be introduced in the Chinese game with propriety. Hence a query might arise whether the Indian board, as now used, is the ancient one appropriate to the game, in which a boat is said to be introduced instead of a chariot; but in the Chinese game, of which I have an account before me, although what is erroneously termed a river is delineated on the board, yet there is no ship or boat among the pieces.

Instead

* See note at the end of this paper.

Instead of a boat, they have a chariot. How are we to reconcile these contradictions?—I fear, in the present state of our information, they are inexplicable. At all events I shall attempt only as distinct an account as is in my power of the four principal games and modes of playing chess in Asia, viz. first, the one from the *Purans*, cited by Sir William Jones as above; second, the Chinese, described by Mr. Irwin; third, the *Burmha*; and lastly, the Persian or present *Hindoostanee*; comparing them with each other and the English game; and must leave it to some more fortunate enquirer to determine which is the original.

I have given precedence to the game said to be invented at *Lanca*, as it appears to be the most ancient, according to the authorities adduced by Sir William Jones; and as the Persians admit that they received the game from India. I am aware that the honourable Mr. Daines Barrington, in a paper published in the *Archæologia* at London, gives it as his opinion that the Chinese game is the most ancient; and has taken great pains to disprove the Grecian claim to the invention, (vide 9th volume of the *Archæologia*.) But, according to the Chinese manuscript, accompanying Mr. Irwin's account in the *Transactions* of the Royal Irish Academy, the Chinese invalidate their claim of originality, by fixing the date of the game, they *assume* the honour of inventing, 174 years before the Christian era.

Ancient Hindoo Game of Chess.

TABLE.

Black army

NORTH.

Yellow army

WEST.

4	5			1	2	3	4
5	5			5	5	5	5
6	5						
1	5						
						5	1
						5	2
5	5	5	5			5	5
4	3	2	1			5	4

EAST.

Red army

SOUTH.

Green army

REFERENCES.

- 1 The King or Raja.
- 2 The Elephant or Hasti.
- 3 The Horse or Aswa.
- 4 The Boat or Nauca.
- or The Chariot or Rath.
- 5 The Pawns or Padata.

REFERENCES.

- 1 The King or Raja.
 2 The Elephant or Hasti.
 3 The Horse or Aswa.
 4 The Boat or Nauca.
 or The Chariot or Ratha.
 5 The Pawns or Padata.

In the *Hindoo* game, I have already noticed, that the principal distinction from the English consists in having four distinct armies and kings; each army composed of half the number of pieces and pawns used in one of ours: secondly, the elephant holds the station and power of our queen; thirdly, there is a boat instead of our castle, but with the powers of a bishop limited to a move of two checks at once; fourthly, the pawn or peon has not an optional rank when advanced to the last line of the adversary's checks, merely assuming the rank of the piece whose place he possesses (excepting the boat); fifthly, the use of dice to determine the moves, as follows: When a cinque is thrown, the king or pawn must be moved; a quatre, the elephant; a trois, the horse; and a deux, the boat. Other variations are, that the king, elephant, and horse may slay, but cannot be slain; neither does it appear that the king can be

be removed to a place of more security, by any operation similar to the modern mode of castling. Indeed the mode of playing this game is very obscurely described; all that is known of it has already been published by Sir William Jones, in the Transactions of the Society, to which I must refer those who require further information.

Account of the Chinese Game of Chess.

TABLE.

5	4	3	2	1	2	3	4	5
	6							6
7	7		7		7		7	7
	8							8
7	7		7		7		7	7
	6							6
5	4	3	2	1	2	3	4	5

References according to my Account.

1	General,	or Choo hong.
2	Counsellor,	or Soo.
3	Elephant,	or Tchong.
4	Horse,	or Mai.
5	Castles, Chariots,	or Tche.
6	Artillery,	or Pao.
7	Foot Soldiers,	or Ping.
8	Trench,	or Hoa ki.

References according to Mr. Irwin.

1	1 The King,	or Chong.
2	2 Princes,	or Sou.
3	3 Mandarins,	or Tchong.
4	4 Horses,	or Mai.
5	5 Castles, Chariots,	or Tche.
6	6 Rocket boys,	or Pao.
7	7 7 7 Pawns,	or Ping.
8	8 River.	

Mr. Irwin's account I shall give in his own words as follows:—"The very next day my *Mandarin* brought me the board and equipage; and I found that the *Brahmins* were neither mistaken touching the board, which has a river in the middle to divide the contending parties, nor in the powers of the King, who is entrenched in a fort, and moves only in that space in every direction; but, what I did not hear before, nor do I believe is known out of this country, (*China*,) there are two pieces whose move-

ments are distinct from any in the Indian or European game. The *Mandarin*, which answers to our Bishop in his station and side-long course, cannot, through age, cross the river; and a Rocket boy, still used in the Indian armies, who is stationed between the lines of each party, acts literally with the motion of the Rocket, by vaulting over a man, and taking his adversary at the other end of the board. Except that the King has his two sons to support him, instead of a Queen, the game in other respects is like ours, as will appear in the plan of the board and pieces I have the honour to enclose, together with directions to place the men and play the game."

The preceding diagram is the Chinese table, and differs from ours by having a chasm in the middle, called by some a river, and the crossed sections or forts in which move the *Chong* and *Sou*. The board or game, according to Mr. Irwin, is called *Chong-ki*, or royal game.

The explanation of the position, powers, and moves of the pieces, he gives as follows:

"As there are nine pieces instead of eight, to occupy the rear rank, they stand on the lines between, and not within, the squares; the game is consequently played on the lines.

"The King or *Chong* stands on the middle line of this row; his moves resemble those of our King, but are confined to the fortress marked out for him.

"The two Princes, or *Sou*, stand on each side of him, and have equal powers and limits.

"The *Mandarins*, or *Tchong*, answer to our Bishops, and have the same moves, except that they cannot cross the water, or white space in the middle of the board, to annoy the enemy, but stand on the defensive.

"The Knights, or rather horses, called *Mái*, stand and move like ours in every respect.

"The War Chariots, or *Tche*, resemble our rocks or castles.

"The

"The Rocket Boys, or *Pao*, are pieces whose motions and powers were unknown to us. They act with the direction of a rocket, and can take none of their adversary's men that have not a piece or pawn intervening. To defend your men from this attack, it is necessary to open the line between either, to take off the check on the King, or to save a man from being captured by the *Pao*. Their operation is otherwise like that of the rook, their stations are marked between the pieces and pawns.

"The five Pawns, or Ping, make up the number of men equal to that of our board (i. e. sixteen). Instead of taking sideways like ours, they have the rook's motion, except that it is limited to one step, and is not retrograde. Another important point in which the Ping differs from ours, is that they continue in statu quo after reaching their adversary's head quarters. It will appear, however, that the Chinese pieces far exceed the proportion of ours, which occasions the whole force of the contest to fall on them, and thereby precludes the beauty and variety of our game, when reduced to a struggle between the pawns, who are capable of the highest promotion, and often change the fortune of the day. The posts of the Ping are marked in front."

So far Mr. Irwin. His account being, according to my apprehension, indistinct and incomplete, and to my knowledge in some respects erroneous, I have been induced to make further inquiries on the subject, the result of which, I hope, will supply his deficiencies, or at least give us a more accurate idea of the Chinese game.

The game is called by the Chinese *Choke-choo-hong-ki*, literally the play of the science of war.

The piece 1, which we call the King, is named *Choohong*, which may be rendered the scientific in war, or generalissimo; he moves one pace at a time in any direction, the same as our King, but within the limits of his fort.

The

The two pieces of next rank, No. 2. 2. are called *Sou* by the Chinese, which literally means bearded old men, or men of great experience in war. These are supposed to act as counsellors to the *Choo hong*, and have precisely the same moves and powers as the *Chekoy* in the *Burmha*, or Vizier in the Persian game, except that they are confined to the limits of the fort with the *Choo hong*.

The two pieces, No. 3. 3. erroneously named *Mandarins* by Mr. Irwin, are called *Tchong* by the Chinese, which means an elephant; and they have precisely the same moves and powers as the elephant in the Persian and modern Hindoostanee game. That is, they move diagonally in advance or retrograde, always two steps at a move; but the Chinese *Tcheng* has not the power of jumping over the head of an intermediate piece as the Persian elephant does; neither can it advance beyond the limits of its own section, for a reason I shall assign below.

The two pieces, No. 4. 4. are called *Mái* by the Chinese, meaning horse or cavalry; they have precisely the same moves and powers as in the English and Persian games, and can advance into the enemy's section.

The two pieces, No. 5. 5. are called *Tche* by the Chinese, meaning war chariots, and have the same powers and moves as the rooks or castles in the European game, advancing also into the enemy's section.

The two pieces, No. 6. 6. are called *Pao* by the Chinese, meaning artillery or rocket men. The *Pao* can move the whole range of both sections direct, transverse, or retrograde, like the English castle, and if any of the adversary's pieces or pawns intervene in the direct line, he takes the one immediately in the rear of it.

The pawns, No. 7. 7. 7. 7. 7. are called *Ping* by the Chinese, meaning foot soldiers; they move one square or step at a time, direct in advance, and take

their antagonist transversely to the right or left, (not diagonally as ours do,) nor have they the advantage of obtaining an advance rank as in the English game.

The blank space in the Table 8. 8. is called *Hoa ki* by the Chinese, which literally means a trench, and is understood to have been made for defence against an invading army. The horses, chariots, and foot soldiers are supposed to cross it by means of light bridges of planks; but these not being adequate to bear the bulk of the elephants, they are reciprocally obliged to remain within the limits of their respective sections.

In other respects the game is like the English one, and ends with destroying the forces on either side, or blocking up the *Choo hong*. The board is not chequered black and white, but merely subdivided, as in the diagram: the pieces are round counters of wood or ivory, with the distinguishing names wrote on them, half dyed red, and half black.

Account of the Burmha Game of Chess.

TABLE.

3							3
	1	4	5	5			
	4	2	6	6	6	6	6
6	6	6					
					6	6	6
6	6	6	6	6	2	4	
			5	5	4	1	
3							3

REFERENCES.

- 1. Meng, - - - The king.
- 2. Chekoy, - - - Lieut. Gen.
- 3. 3. Rutha, - - - War chariots.
- 4. 4. Chein, - - - Elephants.
- 5. 5. Mhee, - - - Cavalry,
- 6. 6. 6. 6. 6. 6. 6. 6. Ycin Footsoldiers.

The

The *Burmha* name for the game of chess is *chittha-reen*, a term applied by them either to a generalissimo, or warfare; an etymologist perhaps might trace it as a corruption of the *Sanscrit Cha-tur-anga*.

The annexed drawing and diagram will best explain the form of the pieces, &c. and ordinary array of the battalia.

No. 1. *Ming*, or the king, has the same moves and powers as in the English game, except that he cannot castle, neither do they admit of what we call stale mate.

No. 2. *Chekoy*, or sub-general; he moves diagonally either way in advance or retrograde, but limited to one check or step at a move.

No. 3. *Rut'ha*, war chariot; they have exactly the same moves and powers as the English castle or rook.

No. 4. *Chein*, elephants; they have five distinct moves; direct 1. diagonal in advance 2. diagonal retrograde 2. but limited to one check or step at a move; they slay diagonally only; the move direct in advance being only intended to alter the line of their operations, so that they may occasionally have the powers of our king's or queen's bishop.

No. 5. *Mhee*, cavalry; they have exactly the same moves and powers as in the English game.

No. 6. *Yein*, or foot soldiers; they have the same moves and powers as in the English game, except that they are limited to one check or step at a move, and that the right-hand pieces only are susceptible of promotion to the rank of chekoy, (in the event of his being taken.) It is not necessary for this promotion that they should have advanced to the last row of the adversary's checks, but to that check which is in a diagonal line with the left-hand check in the last row of the adversary's section; consequently the right hand pawn or yein, according to the diagram, will have to advance four steps to obtain the rank of chekoy; the 2d yein 3 steps;

steps; the 3d yein, 2 steps; the 4th yein, 2 steps; and the 5th yein, 1 step.

Although the array of the battalia is generally as in the diagram, yet the *Burmhas* admit of great variations; each party being allowed to arrange their *pieces* ad libitum; that is to say, they may strengthen either wing, or expose the king, according as they estimate each others abilities, or as caprice or judgement may influence them. In some respects this is tantamount to our giving a piece to an inferior player, but the variation is only to be understood of the pieces, and not of the pawns.

This liberty, added to the names and powers of the pieces, gives the *Burmha* game more the appearance of a real battle than any other game I know of. The powers of the Chein are well calculated for the defence of each other and the King, where most vulnerable; and the *Rut'ha* or war chariots are certainly more analogous to an active state of warfare than rooks or castles.

Persian and modern Hindoostanee Game of Chess.

TABLE.

5	4	3	X	X	3	4	5
6	6	6	6	6	6	6	6
6	6	6	6	6		6	6
5	4	3	X	X	3	4	5

REFERENCES.

- 1 Sha or Padsha, The King.
- 2 Vizier or Firz, General.
- 3 3 Fil or Hust, Elephant.
- 4 4 Aspor Ghora, Cavalry or Horse.
- 5 5 Rookh or Ruth, War Chariot.
- 6 6 6 6 6 6 6, Piadah or footmen.

The

The Persian game and table are both called *Shatrang*, or more commonly *Shutrunj*, the form of the table and arrangement of the pieces as in the diagram.

No. 1. *Sha*, or *Padsha*. The king has the same moves and powers as in the English game, but cannot castle, nor is stale mate admitted.

No. 2. *Firz*, or more commonly *Vizier*, the general. It is the first piece moved on opening the game, advancing one step direct in front, his *piadah* moving one step at the same time; this is said to be done by command of the king, that he may review and regulate the motions of the army; afterwards he can only move diagonally, in advance or retrograde, one check or step at a move, the same as the *Burmha* *chekoy*.

No. 3. 3. *Fil* in Persic, *Hust* in Hindoostanee, elephants. They move diagonally in advance or retrograde, always two steps at a move, and have, what Mr. Irwin calls, the motion of a rocket boy hopping over the head of any piece in their way, except the king, and taking any piece which stands on the second check from them in their range.

No. 4. 4. *Asp*, Persian, or *Ghora*, Hindoostanee, horse or cavalry; they have the same moves and powers as the English knight.

No. 5. 5. *Rookh*, Persian, or *Rut'h*, Hindoostanee, war chariots; they have exactly the same moves and powers as the English rook or castle.

No. 6. 6. 6. 6. 6. 6. 6. *Piadahs*, or peons, footmen; they have the same moves and powers as the English pawn, except that they advance only one step at a time on opening the game, and that when any of them arrive at the last line of checks on their adversary's section, should their own general have been taken, they are then called *firz*, and distinguished by a pawn of the adversary being placed on the same square with them.

When the king is checked by another piece, they
say

say *shah*, *shah*, or *kist*, (the latter an Arabic word;) and when check-mated, they say *shah-mat*, which means the king is conquered or driven to the last distress; or sometimes *boord* or *burd*, the prize is gained or carried, though this expression is more generally used when all the pieces are taken except the king, and the game is consequently won.

I shall now make some observations on the foregoing games, and compare them with each other.

As far as record is to be admitted in evidence, the first, or *Hindoo* game, above described, is the most ancient, and, to my apprehension, it has great internal marks of antiquity, namely, the imperfections incident to rudimental science.

A view of the table, &c. will be sufficient to convince any one who has the least knowledge of tactics, or the science of chess, of the imperfections of the *Hindoo* game.

The weakest flank of each army is opposed to its antagonist's forte—and the piece in each army which would be of most use on the flanks, is placed in a situation where its operations are cramped; and although it appears that two armies are allied against the other two, yet the inconvenience of their battalia in a great measure remains; besides, it also appears that each separate army has to guard against the treachery of its ally, as well as against the common enemy; for it is recommended, and allowed to either of the kings, to seize on the throne of his ally, that he may obtain complete command of both armies, and prosecute conquest for himself alone. But if the battalia were as perfect as in the European game, the circumstance of using dice, to determine the moves, is fatal to the claim of pre-eminence, or of science, which attaches to the European game, and places the ancient *Hindoo* game on a level with back-gammon, in which we often see the most consummate abilities defeated by chance.

Exclusive

Exclusive of the definition of the game in *Amaracosa*, namely, that the four *angas* or numbers are elephants, horses, chariots, and foot soldiers, there are contradictions in the rules given by *toma* and others translated by *Rad-ha-cant*, which are irreconcilable, unless we suppose they treat of different games. The first says, that "the elephant, and the horse may slay the foe, cannot expose themselves to be slain." Hence infer that the ship and foot soldier alone are vulnerable. In another place the commentator : "If a pawn can march to any square on the opposite extremity of the board, except that of the king or ship, he assumes whatever power belonged to that square, which promotion is called *shat-pada*, or *shat-pada*." This contradicts the former rule. Again, "but this privilege of *shat-pada* was not allowable in the opinion of *Gotoma*; when a player had three pawns on the chess board, but when only one pawn, and one ship remained, the pawn may even advance to the square of a king or ship, and assume the power of either." From the whole may gather, that in this game there is much struseness with little science, which affords strong presumption of its being rudimental.

I have placed the Chinese game the second in series, because there is a record of its relative antiquity; but not from conviction, for the next improvement of the ancient *Hindoo* game appears to me to be that which at present obtains amongst the *Burmhas*, who are *Hindoos* of the *Pali* tribe, derive all their literature and science from the common source. * In the *Burmha* game the first d

* The chess men I had made at *Amarapura*, the *Burmha* capital, were the workmanship of some *Cassays*, natives of the kingdom of *Assam*, who, as well as the *Burmhas*, are of the sect of *Buddhists*, and form the intermediate link between them and the *Bengallies*.

of perfection appears, while the ancient *Hindoo* names, according to the *Amaracosha*, are retained, the two armies are consolidated, and commanded by a general immediately under the eye of the king, the order of the battalia improved, and chance rejected.

The Persian game is but a slight variation in principle from the *Burmha*; the order of battle is restrained to one mode, and the foot soldiers and principals each drawn up at the extreme face of the board or field of battle, in rank entire, according to the improved system of modern warfare. Other alterations appear to me adventitious, or the effect of caprice rather than judgment.

The modern European game appears an improvement on the Persian, and only requires that the original names should be restored to the pieces to give it full claim to pre-eminence.

I am at a loss where to place the Chinese game, but its claims to precedence are of little importance.

The account of its invention, for which we are indebted to Mr. Eyles Irwin, is as follows:

“Translation of an extract from the *Concum*, or Chinese Annals, respecting the invention of the game of chess, delivered to me by *Tonqua*, a soldier *mandarin* of the province of *Tokien*.”

“Three hundred and seventy years after the time of Confucius, or 1965 years ago, (174 years before Christ,) Hung Cochee, king of *Kiangnan*, sent an expedition into the *Shensi* country, under the command of a *mandarin*, called Hemsing, to conquer it. After one successful campaign, the soldiers were put into winter quarters, where finding the weather much colder than what they had been accustomed to*, and being also deprived of their wives and families,

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the

* *Shensi* is the north west province of China, and mountainous.

the army in general became impatient of their situation, and clamorous to return home. Hemsing, upon this, revolved in his mind the bad consequences of complying with their wishes; and the necessity of soothing his troops and reconciling them to their position appeared urgent, in order to finish his operations the ensuing year. He was a man of genius as well as a good soldier, and having contemplated some time on the subject, he invented the game of chess, as well for an amusement to his men in their vacant hours, as to inflame their military ardour, the game being wholly founded on the principles of war. The stratagem succeeded to his wish; the soldiery were delighted with the game, and forgot in their daily contests for victory the inconvenience of their post. In the spring the general took the field again, and in a few months added the rich country of *Shensi* to the kingdom of *Kiangnan*, by the defeat and capture of Choupayen, a famous warrior among the Chinese. On this conquest Hung Cohee assumed the title of emperor, and Choupayen put an end to his own life in despair."

In the course of my reading I have met with a similar tale among the Persians; but such tales are easily fabricated, and from the complaisance of national vanity as easily credited.

That Hemsing introduced this game with modifications suited to the genius and manners of the Chinese for the purposes ascribed above, I can readily believe; but the introduction of artillery or rocket boys, the general perfection of the game, similitude to the *Hindoo game*, and date of the supposed invention, are strong evidences against its originality.

I am aware that there are many other games of chess played in Asia; but I consider them merely as anomalies, unimportant or unworthy of note; and

the four I have adduced are the principal, to which all the others may be referred.

I shall conclude this long and irregular dissertation with noticing the various etymologies of the terms, pieces, &c. &c.

The Honourable Mr. Daines Barrington has taken considerable pains on this subject in the essay above noticed; and the reason he assigns for the uncouth form of the pieces as made in Europe is very just, viz. that we received the game from the Arabs, who, as *Mahomedans*, being prohibited the use of paintings or engraved images, merely gave to their chess pieces such distinct forms as enabled them to readily recognize them in play; and such arbitrary variation being once introduced, others naturally followed, according to the caprice or taste of each new innovator.

But he differs from Doctor Hyde and Sir William Jones in respect to our Exchequer being named from the chess-table; proving that the term was not directly so derived; but that is not proving it was not derived indirectly; for although the game of chess might not have been known to the nations of modern Europe, so early as the Norman Conquest; yet it appears from the check or reckoning board found at *Pompeii*, and from the Latin name *Scaccario*, that the use of the table was very early known in Europe; and therefore Sir William Jones may still be right in deriving exchequer from *Chaturanga*. One remarkable coincidence in the Asiatic tables may be noticed; they are all subdivided into sixty-four squares, but not checkered.

The piece we call the King is also so styled in all the games that I know, except the Chinese, who call it the *Choo hong*, or scientific in war.

The piece we call the Queen, the honourable Mr.

K K 2

Barrington

Barrington derives from the Persian *phers* or general; and exposes the absurdity of calling this piece a queen, by asking how we are to metamorphose a foot soldier or pawn into a queen, as admitted in the English game, &c. Sir William Jones more correctly writes it *fers*, and adds "hence the French have derived *vierge* &c."—If so, the blunder arises from French gallantry. *Vierge* in French is *virge*, and consorted with the king they by a very natural transition made their virgin a queen. But whence the Persian title of *fers*? Mr. Richardson merely informs us that *fers*, *ferzen*, *ferzan*, and *ferze*, mean the queen at chess. The common term for this piece in the Persian language is *viscen* or *vuscer* a minister, but in their emphatic way of writing and speaking, they have in this case made a noun substantive of a distinctive adjective, to denote the eminence of the piece, as I shall have further occasion to notice. *Fers* or *ferzan*, therefore, neither means queen nor general in a literal sense; but eminent, distinguished, &c. *Ferze* further means science, learning, wisdom, &c.

The piece we call a Castle or Rook, the Honourable Mr. Barrington says, is derived from the Italian *il rocco*—but what is *il rocco* (the castle) derived from? Sir William Jones says, "it were in vain to seek an etymology of the word *rookh* in the modern Persian language, for in all the passages extracted from *Ferdausi* and *Jami* where *Rokh* is conceived to mean a hero, or a fabulous bird, it signifies, I believe, no more than a cheek or face."—My enquiries teach me that in this instance also a name has been formed from a quality; and that in modern Persian *rookh* means facing or bearing in a direct line; and applied to the *rookh* at chess, and its moves, is very appropriate; at the same time I have no doubt that

that the Persian word was originally derived with the game from the Hindoos, who call the piece *rot'h* and *rut'ha*; and denominate the ship or boat, which is substituted for the castle, either *naucá* or *rbca*.! The corruption is as easy as the French *vierge* from *pherz* or *ferz*, and the only difference is, that Persian pride has endeavoured to legitimise the blunder by assigning a reason for it.

The pieces we call bishops, the Hon Mr. Daines Barrington says, are called by the French *fou* or *fools*, and supposes the epithet to have been bestowed on them by some wag, because kings and queens were anciently attended by fools.

I am ready to admit that war is but too often the offspring of vice and folly, and that it is no great proof of wisdom in bishops to forsake their habits of peace for war, but think it is refining a little too much, to stigmatise them in particular as fools on that account.—Sir William Jones, in my opinion, adduces a more legitimate derivation, supposing the *fol* or *fou* of the French (for it is pronounced both ways occasionally) to be derived from the Persian *fil* or *feel*, an elephant. In Italian these pieces are still denominated *il alsino* or the elephant, and so they were in England at the beginning of the seventeenth century.—Perhaps the French *fou* may have been derived from the Chinese *fou*, the grave councillors who attend on the *choohong* or general, and who have the same diagonal moves as the bishops; and their *mandarin* caps may have been changed with their names for mitres, as we now see them engraved.

The pieces we call knights or horses have in general the same appellation in other languages.

The pawns, it is easy to perceive, are derived from *paon* (a foot) *Hindoostanee*, *piadah* Persian, and *padati* Sanscrit.

The learned Doctor Hyde says, “ that the word chess is derived from the Persian word *shah* or

king, which word is often used in playing, to caution the king against danger. Hence Europeans and others have denominated the game *Shachiludium* and *Shailudium*; and the English *Chess*."

The term *Mate* used at the termination of the game is from the Persian *shah-mat*, the king is conquered or driven to the last distress.

The Persians also have a term peculiar to themselves, to denote the advancement of a *pawn* or *piada*. When it arrives at the last line of checks in the adversary's division, they say it is *ferzeen* or distinguished, and in case the *vizeer* or *ferz* has been lost, it assumes its rank, and is distinguished by one of the adversary's pawns being placed on the same square with it.

When I sat down to write this letter, I had no idea of extending it to so great a length, nor had I, as you will easily perceive, formed any regular plan of discussion. I therefore fear it will not only be found tedious, but perplexed. Yet, however imperfect or unimportant in itself, I am induced to hope it will be received with indulgence, as tending to excite the inquiries of abler critics on a subject equally interesting and curious, and to produce that collision of mind whence truth is elicited.

I have the honour to remain,

Dear Sir,

Your obliged and faithful servant,

HIRAM COX.

Waujea Province of Chittagong, May 28th, 1799.

P. S. I have annexed a comparative Table of the names and terms used at the game of Chess in four principal Asiatic, and four principal European languages.

H. COX.

COMPARATIVE TABLE of Terms used at the Game of Chess, in four principal Asiatic, and four principal European languages.

English.	French.	Italian.	German.	Sanscrit.	Persian.	Chinese.	Burmese.
Chess,	E'checs,	Scacchi,	Seachspiel,	Chaturanga, Chaturaji,	Shaurang, Shatrauj,	Choke Chochong-k,	Chit-tharcin.
King,	Roi,	Ré,	Koenig,	Raja,	Shah, Pádsháh,	Chochong, (Generalissimo.)	Meng-
Queen,	Dame,	Regina, Dame,	Koenigin, Dame,	Mantri (A) (Prime minister),	Vizir, Firz Ferzi (minister)	Sou, (Counsellor)	Cheko-
Bishop,	Fou,	Alfino,	Springer,	Hasti, Pili, Elephant,	Fil Pil (Elephant),	Tchong, Elephant	(General)
Knight,	Cavalier,	Cavaliere, Cavallo,	Ritter,	Aswa, (Horse)	Asp, Feras (Horse),	Mai, (Horse)	Chien, (Elephant)
Castle or Rook,	Tour, Roi,	Rocco,	Elephant, Roche.	Ratha, (a Car)	Nau-Rukh,	Tche (War chariot),	Mhe, (Cavalry.)
				ca, or Roca (a ship or boat)			Rurha, (War chariot.)
Pawn,	Pion,	Pedina, Pedona,	Baur,	Pádini, Padica, (fool soldier,)	Pedah, Bidek,	Pao, (Artillery.)	Yein, (foot soldiers)
Check,	E'chec au Roi,	Scaccolat Rè,	Schach,		Shah, Kish, kish, B.	Ping, Foot soldiers,	Kwai.
Checkmate, or mate.	E'chec et mat, Mat.	Scacco Matto,	Schach mat,		Mai, Shch mat,		Shoombe.

N. B. The Sanscrit and Persian terms in this table are expressed according to Sir W. Jones's system of orthography. *At. Rev. Vol. 1.*

A. This piece is not used in the game of *Chaturaji*, described in the preceding paper; but is mentioned in Sanscrit books as one of the pieces of the *Chaturanga*; the true game of Chess.

B. These terms are more generally used than those stated in page 501, in which, by a typographical error, *shah* has been repeated for *shih*, its synonyme. On the authority of an Arabic dictionary, the term *Kat* was mentioned, as of Arabic origin. But on further inquiry, the term used for *Chess* appears to be *Kib* for *Kishi*, or the origin and meaning of which, see the dictionary of ME NINSKI or RICHARDSON.

NOTE referred to in page 484, and corrections of
previous papers in this Volume; by H. COLF-
BROOKE, Esq.

The term (*nauch*) which occurs in the passage translated by Sir WILLIAM JONES from the *Bhavisya Purān*, undoubtedly signifies a boat, and has no other acceptation. The four members of an army, as explained in the *Amara cūba*, certainly are elephants, horses, chariots and infantry. Yet, there is no room to suspect a mistake in the translation; on the contrary, the practice of the game called *Chaturāṅg*, confirms the translation; for a boat, not a chariot, is one of the pieces, and the game is played by four persons with long dice. Another sort of *Chaturāṅg*, the same with the Persian and the Hindustāni chess, is played by two persons and without dice. In Bengal, a boat is one of the pieces at this game likewise; but, in some parts of India, a camel takes the place of the bishop, and an elephant that of the rook; while the Hindus of the peninsula (I mean those of *Carnātaca* above the *Gōdāri*) preserve, as I am informed, the chariot among the pieces of the game. I find also, in an ancient Treatise of Law, the elephant, horse and chariot, mentioned as pieces of the game of *Chaturāṅg*. The substitution of a camel, or of a boat, for the chariot, is probably an innovation; but there is no reason for thence inferring a mistake in the translation, or in the reading, of the passage which Sir WILLIAM JONES extracted from the *Bhavisya Purān*.

CORRECTION.

Page 180, note (3). *Sācambhari* in the modern *Sambhar*, famous for its salt lakes. It is situated at the distance of about thirty miles west of *Jaspur*.

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APPENDIX.

RULES OF THE ASIATIC SOCIETY,

Continued from the Sixth Volume.

JANUARY 2d, 1800.

RESOLVED,

That in future the Meetings of the Society be held on the first Wednesday, instead of the first Thursday of every Month.

JULY 2d, 1800.

RESOLVED,

That the fixed Meetings of the Society be in future held Quarterly, on the first Wednesday of January, April, July, and October, and that if any business should occur to require intermediate Meetings, they may be summoned by the Presidents, for whom the right is reserved of appointing, when necessary, any other day of the first week in the foregoing months for the fixed Meeting of that quarter, in lieu of Wednesday aforesaid.

END OF VOL. VII.

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DIRECTIONS TO THE BINDER.

	PAGE
Plates 1, 2, 3, and the N. E. View of the Rocks at Colgong, to face.....	1
Plate 5 to face	174
Plates 6, 7, the ground plan of Shikargah, and Plates 10, 11, 12, 13, 14, 15, 16, 17, and 18, to face.....	180
Plate of a Sakwelle, to face.....	444
	
Table, No. 1, to face.....	324
No. 2, ...	444
No. 3.	451



